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AMERICAN POULTRY WORLD

OCTOBER, 1914

Vol. V.

No. 12

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AMERICAN POULTRY PUBLISHING COMPANY
BUFFALO, N.Y., U.S.A.

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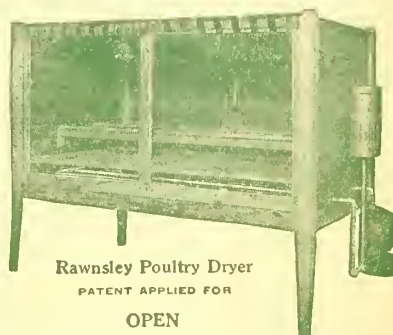
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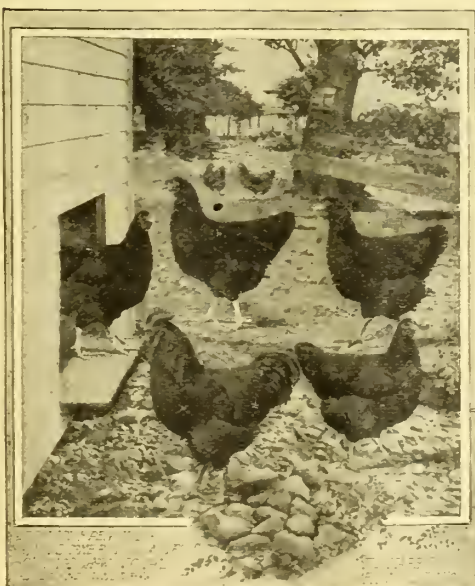
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45,000 FOR OCTOBER, 1914

E. D. Corson, Secretary-Treasurer of the Corson Manufacturing Co., printers and binders, being first duly sworn, states that that company has a contract for and is printing and binding forty-five thousand (45,000) copies of the October, 1914, number of the AMERICAN POULTRY WORLD.
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Twice have "Royal Reds" exhibited personally by me won 87 points on best display at the Great Coliseum Show of Chicago. No other exhibitor has ever won this number of points before. Therefore, "Royal Reds" have the distinction of on two different occasions winning the greatest number of points ever given at Chicago.

More facts of this world's greatest show of Chicago, are as follows: At Chicago I have won twice as many first prizes on Old Pens as all other exhibitors combined.

Twice as many first prizes on young pens as any other competitor.
Twice as many first prizes on cock birds as any competitor, and more points on cock birds at the last two shows than all other exhibitors combined.

I have won more places on cockerels at Chicago the past four years than any other competitor, and hold the world's record for winning 1st Cockerel in the largest class ever shown in America.

Very Important: I have won more points on males (Cockerel and Cocks) on hens, pullets and pens, at the last two Chicago Shows than any other competitor. Therefore, "Royal Reds" outclass all others in winning the largest numbers on males, females and pens than any others.

Note This: I have won three times as many points on pullets at Chicago in the past two years than seventy-two competitors combined.

At Chicago, 1912-13, I won 1st, 3rd and 4th cock; 2nd and 3rd hen; 4th cockerel; 1st, 2nd and 3rd pullet; 1st and 2nd old pen and 1st young pen.

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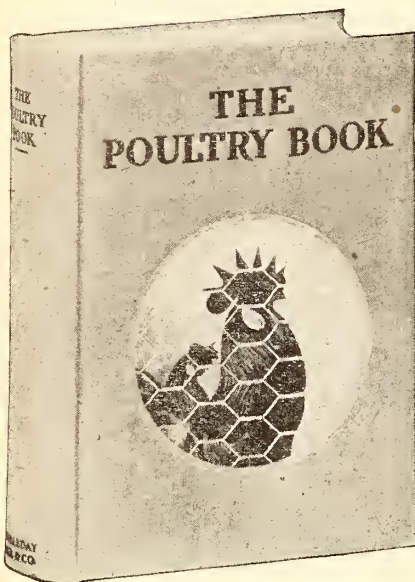
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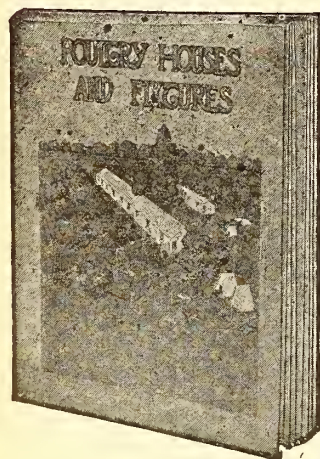
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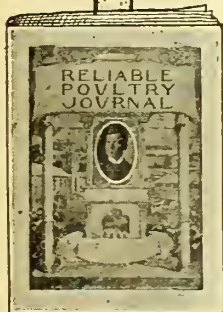
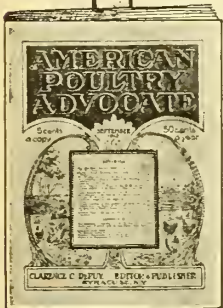
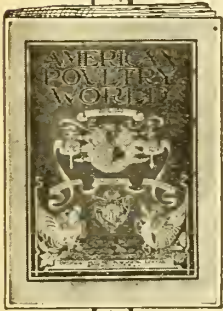
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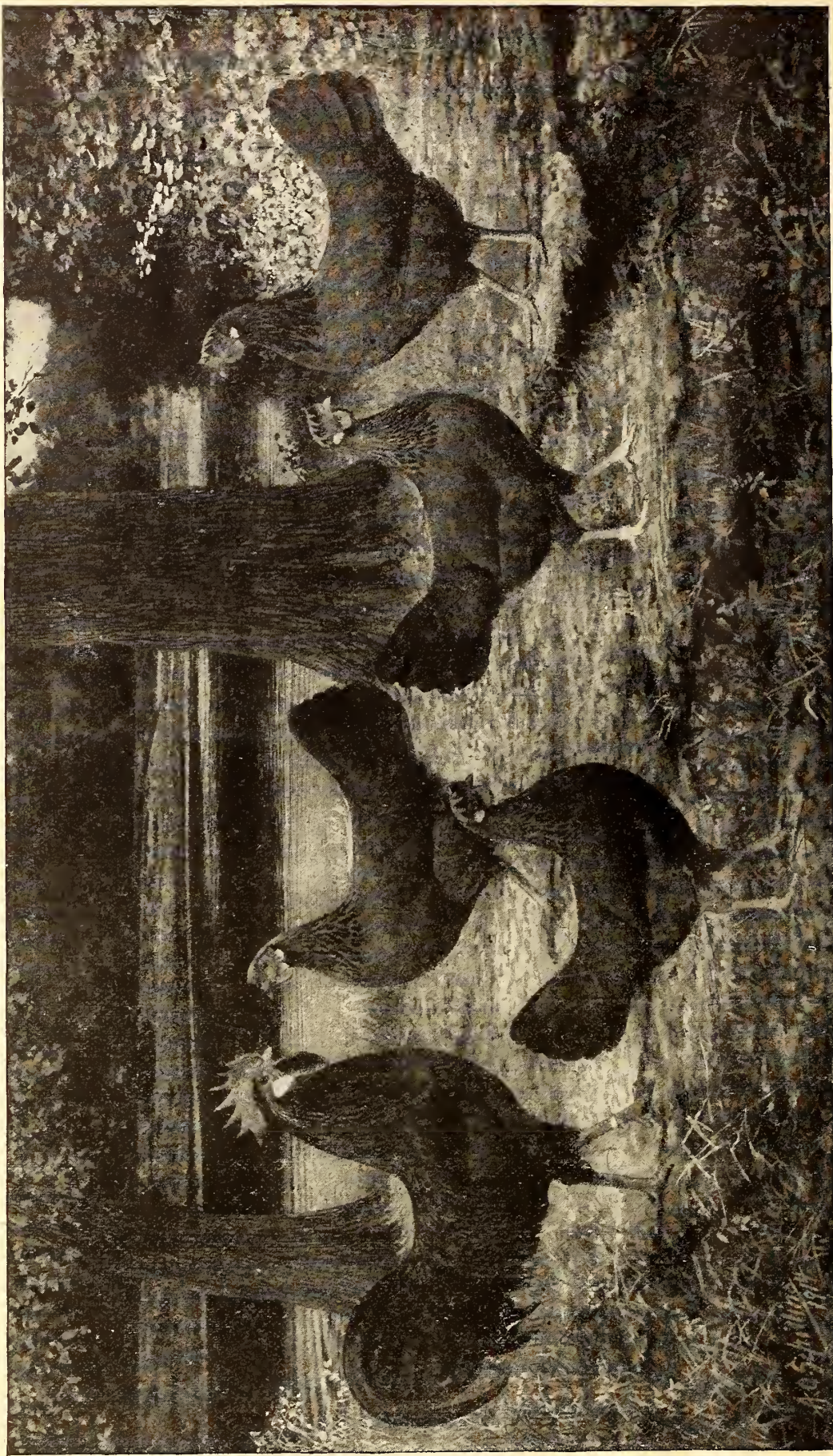
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A.P.W.



Williams Bros. & Brace, at Fullerton, Calif., have set a good example to Western breeders in their successful show campaign at the best Eastern shows held last season. At Madison Square Garden, Boston and Buffalo these Western Brown Leghorns were triumphant in holding their own against the strongest competition to be found, while at Chicago they scored a big victory by winning first, second and fifth cock; first and third cockerel; second and fifth pullet; and first and second exhibition pens. First prize pen is shown in above picture, which represents an excellent colored cockerel and four beautiful and even colored pullets. These were very evenly matched and possessed a refined graceful type only found in the choicest strains of S. C. Brown Leghorns. These breeders have been producing Brown Leghorns of an improved type which compares favorably with the best White Leghorns produced to date.

THE DEFINITION OF UTILITY

UTILITY AS APPLIED TO POULTRY. WHAT CONSTITUTES A UTILITY FOWL? IT IS IN THE EYES OF THE WRITER A FOWL THAT WELL SERVES MANKIND TO THE BEST ADVANTAGE IN THE GREATEST NUMBER OF WAYS. THE WHITE FAVEROLLE SAID TO APPROACH THIS DEFINITION VERY CLOSELY

BY K. M. TURNER, West Nyack, N. Y.



UTILITY—as applied to poultry! What a multitude of sins it has covered! What a quantity of birds have been sold carrying with them various brands of insects, slight colds, old age and other infirmities, just because the party ordering wrote “I want utility birds” or words to that effect!

UTILITY—Synonyms: Usefulness, benefit, profit, advantage.

What constitutes a utility fowl? Is it the bird that will lay 150 eggs in twelve months, and then, weighing from three to four pounds go to the butcher at 14 or 18 cents a pound? Is it a fowl useful in any one direction and weak in others? Is it a fowl that must have an exact number of points to its comb or toes on its feet, or feathers in a certain position on its body, neck or tail?

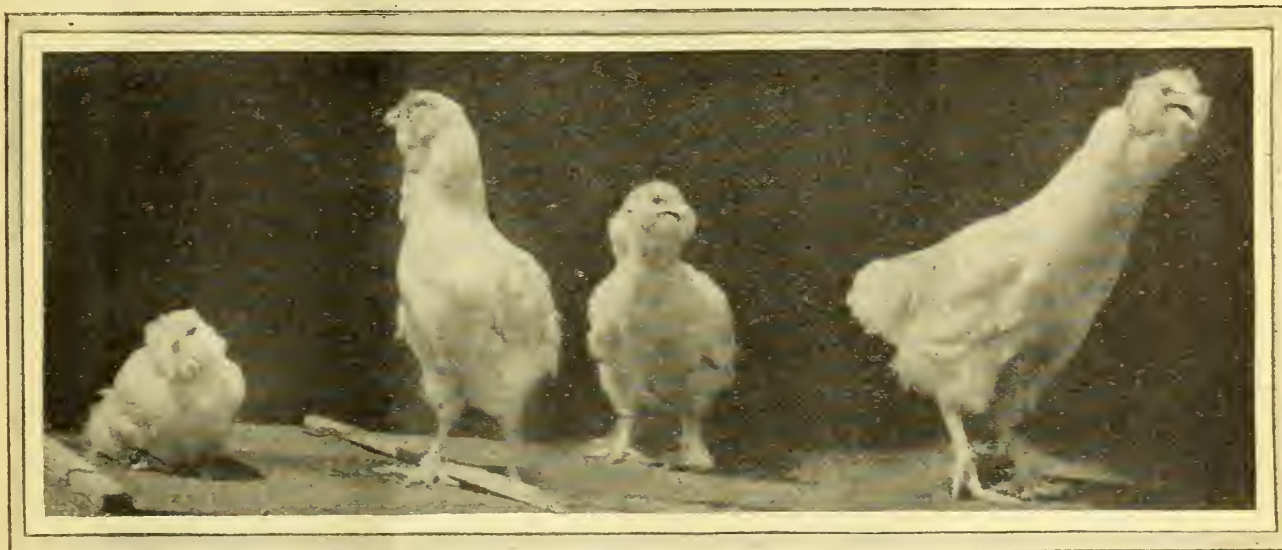
Utility in poultry should mean the fowl that is most useful to mankind, not in any one respect, but the one that will serve man to the best advantage and the greatest number of ways. The maximum amount of both eggs and meat are the dominating features in a truly utility bird. What does the average American care for standard points as outlined by any group of men who apply the word “mongrel” to anything not classified or entered under a certain Standard of Perfection? What

he wants is a big frame, capable of carrying the largest possible amount of meat, combined with the ability to produce a maximum number of eggs. The long, broad back, the keel bone five to six inches long, the heavy shanks, all carried by a carcass or skeleton of a minimum weight—maximum meat, minimum bone—this combination can and should be called the ideal utility fowl. It is the ideal in all things we are striving for and it may perhaps be easy to dope out the ideal utility bird. Admitting that any fowl will comply with the above, we have in it the true definition of the much abused word “Utility”.

THE WHITE FAVEROLLE

Have you seen the White Faverolle? Are you thoroughly acquainted with them? Have you raised them and seen them grow from the little square shouldered “John L.” type of day old chick to birds weighing seven to twelve pounds? Have you taken eggs from their nest until the Leghorns in adjoining pens got an extra hustle on them for fear of being surpassed in their egg laying contest? Have you eaten the meat of the “fryers” weighing three pounds, or the “soft roasters” weighing five or six? Have you gone into their yards and picked them up

(Continued on page 885)



Much has been said and written about the utility qualities of Faverolles from the time the Salmon variety made its first appearance in this country. Since the introduction of the Whites from England we have seen a steady growing interest in the breed and these breeders are very persistent in their praise of the quick growing and maturing qualities of their favorites. White Faverolles are very attractive from the time they leave the shell until full maturity. Mr. K. M. Turner, West Nyack, N. Y., sent us the above photograph representing 4 of his younger unmatured pullets taken some time during the summer. One of the pullets we judged only a few weeks ago at Syracuse State Fair, where she won blue ribbon as a beautiful matured specimen. Quoting from Mr. Turner's letter he states: “I have never seen anything in my life grow as they do”. He mentions one individual owned by a customer which had developed and grown to almost twice the weight of a Plymouth Rock hatched on the same day.

White Faverolles will surely grow in popularity owing to the many good qualities, but we sincerely hope that the breeders will agree on the fifth toe characteristic together with feathered shanks which have always been ear-marks of this famous French utility fowl.—A. O. S.

THE BACK YARD POULTRYMAN

BACK YARD POULTRY KEEPING OFFERS MANY OPPORTUNITIES TO THE CITY DWELLER. EVEN THOUGH UNCLE SAM DOES NOT INCLUDE BACK YARD POULTRY IN HIS CENSUS REPORTS IT IS NO REASON WHY MORE PEOPLE SHOULD NOT BE INTERESTED IN THIS BRANCH OF THE INDUSTRY. OFTEN SOME OF THE CHOICEST SPECIMENS ARE BACK YARD PRODUCTIONS. ITS ADVANTAGES AND ITS DRAWBACKS

BY E. E. BUNNELL, Buffalo, N. Y.



PEOPLE living in towns and villages have always believed that a flock of chickens in the back yard were a necessary equipment of the household, but in the last few years we find more poultry kept in the back yards of our large cities. Why is this? There are several reasons.

PRICE OF EGGS

For the last four or five years strictly fresh eggs have never sold at retail for less than 25 cents a dozen in the spring and summer, while in the winter they retail in the stores from 65 cents to 75 cents a dozen. Poultry has advanced in about the same proportion, dressed roasters and fowl never selling for less than 18 to 20 cents a pound, and the man who has a few 2 lb. broilers in May or early June can find a ready market at 35 cents a lb., and these prices for just ordinary chickens, while the man in the fancy poultry business can get from \$1.50 to \$10.00 per setting for his eggs during the hatching season, and from \$2.00 to \$25.00 for single birds for breeders and even higher prices if he has the stock to warrant it.

Then if you have a small flock of fowls and think you would like a chicken dinner you can never get as good a broiler or roaster from the butcher as you can in your own back yard. The eggs are never as fresh from the grocer as they are from your own flock.

The man who keeps a flock of pure bred chickens will take a great deal of pride in them and the work in taking care of them will give him the out of door exercise that a city man very often requires.

BACKYARD POULTRY PAYS

Any person today if they will give it a little time and work can make back yard poultry pay, but to what extent depends entirely upon the person. They must give it the same careful thought and study that a dry goods merchant or grocer gives to his business. When you find a grocer going into the dry goods business without first making himself thoroughly acquainted with the business you expect a failure and ninety-nine times out of one hundred you find it. And, this is so with any other vocation and the poultry business is no exception.

But you ask; "How am I to learn anything about the poultry business?" Well in the first place there are numbers of good poultry journals and you should sub-

scribe to two or three of them and every city today has one or two poultry clubs. Join one of them and from the journals and club you can get enough information to make a start, but all of the poultry journals published and your club will never make your poultry pay unless you are willing to work and bring into practice their teaching.

The poultry industry according to the last census reports closely approaches the billion dollar mark, but did you ever stop to think when looking over the maise of figures handed out by "Uncle Sam" that not a chicken kept in a city or town back yard is included in this great sum?

If we could secure figures that accurately represented every chicken living today in this great country of ours, and by this I mean, to have our back yard poultry includ-

ed as well as that raised upon farms, the poultry would out-distance all other agricultural products and would greatly exceed one billion dollars.

As great as the army of back yard poultry raisers now is, if their number could be increased 50 per cent. during the next year it would be a long step in decreasing the high cost of living, especially for those who engaged in this back yard branch of the industry. The item of eggs would be cut from the grocer's bill and frequent chicken dinners, and we all like them, would take the place of beef, pork, veal or mutton, the cheapest cuts of which are now almost a luxury.

There are hundreds upon hundreds of city people so situated that they could keep a small pen of fowls and almost maintain them on table and kitchen waste, that is now a dead loss and is thrown out for the garbage man. When the utilization of this waste is considered the cost of keeping a small pen of fowls is insignificant.

We read in the daily papers and hear complaints about poultry being kept in the back yards of our large cities and while some of these complaints may be unreasonable many of them I know from experience are just. Don't build a chicken coop under your neighbor's window and then allow the dirt and filth to accumulate and not expect your neighbor to complain. Don't allow your chickens to run on your neighbor's lawn or in his garden and think he is unreasonable if he finds fault about it. Don't have a lot of surplus male birds in your yards just for the purpose of waking up the neighborhood at 4:00 o'clock in the morning.

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SECOND PRIZE PULLET
GREATER BUFFALO SHOW 1913
MARSHALL & MARSHALL NIAGARA FALLS
CANADA

A beautiful White Wyandotte pullet that not only possess excellent shape, but also fine color, style and head points, characteristics for which the "Niagradot" White Wyandottes are noted. Marshall & Marshall, Niagara Falls, Canada, the originators and breeders of this strain, made a great record at the Great Forest City Fair, Cleveland, Ohio, in August, where they won 1-3 cockerel; 1 pen 2-3-5 pullet; 2 hen, and 4 cock.

STANDARDS OF THE NEWER BREEDS---THEIR INCONSISTENCY

IMPORTANCE OF A CORRECT AND FITTING STANDARD. DIFFICULT TASK OF REVISION COMMITTEES FULLY APPRECIATED. WRITER TAKES EXCEPTION TO STANDARD FOR CAMPINE, SUSSEX AND WHITE FAVEROLLES AND GIVES GOOD REASONS FOR DOING SO. POINTS TO RED CORNISH STANDARD AS A STEP IN THE RIGHT DIRECTION. WHITE FAVEROLLES AN ENGLISH PRODUCTION. BREEDS WITH FLEXIBLE STANDARD REQUIREMENTS NOT RECOGNIZED BY AMERICAN STANDARD OF PERFECTION

BY ARTHUR O. SCHILLING, Staff Artist



A CORRECT and fitting Standard is one of the most essential considerations for the assurance of a steady and continued growth in popularity to any breed of poultry, old or new. In recent years we have experienced the revival of several old breeds, yet they are practically new to the present day fancy. Among others are several entirely new breed types, while others are simply modified in comb and are supposed to be exact counterparts of their single comb cousins.

NEW STANDARDS

Standards for the newer breeds are not difficult to formulate as they need only follow the descriptions of the corresponding older varieties. We refer to Red Laced Cornish, Rose Comb White Minorcas and Rose Comb Orpingtons of the various colors now being produced. It is the Standards for the newly adopted Sussex and Campines which we intend to discuss in this article, at the same time we shall also dwell upon the late Standard adopted by the American White Faverolle Club.

During the past year we have been in personal contact with the work of revising the present American Standard of Perfection and can appreciate the difficult task the present Standard Revision Committee has had to handle in their efforts to straighten out some of the errors and inconsistencies not only in some of the older descriptions, but especially in the descriptions for shape and color for the newly adopted breeds or varieties. We refer particularly to the Campines, Sussex and White Faverolles as these three breeds seem to have gained public favor and no doubt will grow in popularity in the future. For this reason a Standard which is fitting to each of them is very important, at this time, and I hope the points I shall touch upon will open up the subject for a healthy discussion and bring about favorable results for each respective breed.

COLOR DESCRIPTION OF CAMPINES

The present color description for Campines, both Gold and Silver, names white as the ground color for Silvers, and golden bay for Goldens. We must differ here and believe that black is the ground color for both varieties, as the feathers are barred with silvery white or golden bay as the case may be in the two different color schemes. If white were the ground color as described in the English Standard as well as that offered to the Revision Committee of American Poultry Association by the Campine Club of America, then we maintain that white should be the predominating color and should be considered the primary color. This, however, is not so in Campines as all Campines have

slate undercolor even in the hackle which is white on the surface. Another reason why we consider black the primary color and predominating ground color in Campines is that the shaft is largely dark as far down to the base as possible until it almost reaches the point where it enters the skin of the fowl. In discussing this subject with several very prominent Campine breeders, they upheld their argument in favor of white as the primary color on the grounds that the original Campine male was a bird of silvery white hackle, back, saddle and wing bow. This fact we know to be true, but just as soon as the Campine was transformed by the English fancier from a cock feathered bird with flowing hackle and saddle to a hen feathered bird, the true primary color was exposed and he appears as we now find him, largely black in surface as well as undercolor which was always there, but was not exposed on account of the long flowing hackle and saddle feathers which are white, and which become slightly barred when they reach the undercolor and then shade off into a slaty color to base of quill. Black is the predominating color and therefore should be named as the ground color or primary color.

DESCRIPTION OF FEATHERS OF FEMALES

Another subject of importance is that of description of female feathers in requiring each feather to end with a distinct white tip. If you will examine the majority of females which show the most mossiness on back and saddle, you will find that these generally show each feather ending with rather a large white tip. This tip when not distinct takes the form of stippling at end of each feather instead of a clear bar, the result is we have a mossy backed specimen worthless as a breeder or a show bird. We are aware of the fact that most flocks show this tipping and mossiness to a large extent and we have been told that it is too early in the stage of development to expect anything better, but is it not advisable to begin in the right manner to obliterate a defect which we know is objectionable? The least that could be done is to refrain from mentioning the white tip in describing the ideal feather or call attention to this point as objectionable in order that the novice may know which qualities to retain and which to breed out in his efforts to perfect his breeding lines.

OTHER INCONSISTENCIES

Campines are not alone with inconsistencies in their Standard. At the recent meeting of the Revision Committee held during the convention of American Poultry Association, we had the opportunity to read the Standard color description offered for adoption by the Sussex Club.

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FERRIS WHITE LEGHORN FARMS, GRAND RAPIDS, MICH.

In the above illustration a portion of the main buildings on the Ferris White Leghorn Farms may be seen. In addition to those shown above there are many smaller buildings and colony houses on range used for the large flock of young stock, that is produced here annually. Ferris Leghorns are favorably known in all sections of the country.

ROUP AND CHICKEN POX

SOME OBSERVATIONS ON ROUP AND CHICKEN POX THAT SHOULD PROVE OF VALUE TO A. P. W. READERS. WRITER DESCRIBES TWO FORMS OF ROUP—ACUTE AND CHRONIC. BELIEVES TREATMENT USELESS IN THE FIRST AND OFTEN UNSUCCESSFUL IN THE LATTER. CHICKEN POX DISTINCTIVE FROM ROUP, ALTHOUGH MANY WRITERS BELIEVE THEM IDENTICAL. ROUP RUNS A CHRONIC COURSE, WHILE CHICKEN POX HAS A DEFINITE PERIOD OF DEVELOPMENT AND DECLINE

BY H. A. READ

In the Journal of Agriculture published by direction of Hon. W. F. Massey, Minister of Agriculture, Industries and Commerce, New Zealand



URING the past month I have had occasion to deal with an outbreak of diphtheria affecting poultry. As the disease in question is not of uncommon occurrence a short account of it may be of interest to some readers.

Avian diphtheria as the name signifies, resembles in its real manifestations the appearance associated with diphtheria attacking the human subject. The principal and most obvious lesion consists of the development of so-called "false membranes" upon the mucous surface of the mouth and upper respiratory passages. The false membranes take the form of a greyish white, firm cheesy-looking material, representing the accumulation of an inflammatory, fibrinous exudate upon the surface of the part attacked. They more or less cover the inside of the mouth, tongue and gullet and very often extend into the wind-pipe.

TWO FORMS OF ROUP

Two forms of avian diphtheria occur—the acute and the chronic. The acute form is marked by sudden appearance of illness on the part of the bird attacked. It no longer runs up to be fed, but stands isolated from the rest, with head down, breathing heavily, the respirations being accompanied often by a wheezing or hissing sound. The sick bird quickly loses all bloom; it does not perch, but remains moping on the ground. In two or three days' time the characteristic false membranes are evident particularly when the mouth is opened. These gradually cover the inside of the mouth and extend on to the external portions of the beak, sometimes clogging the nostrils and producing partial suffocation. The eyes are frequently implicated, and the dry cheesy looking material can be seen adhering to the eyelids, which are kept closed. The eyes themselves frequently become ulcerated. The affected bird cannot eat, diarrhea makes its appearance, progressive emaciation sets in, and death usually supervenes in about five days to a week after the first onset of the attack. In a proportion of cases the inflammatory caseous exudate may completely block the throat and windpipe, rapidly causing death by suffocation.

THE CHRONIC FORM

In the chronic form of the disease the local signs are generally first noticed. These have the appearance of a firm cheesy exudate developing upon the inner surface of the mouth, extending into the gullet and nasal cavities. Occasionally the eyes share in these changes, or may even be the first seat of the disease. The symptoms following this condition can easily be imagined. The affected bird cannot eat, owing to the inflamed state of the mouth and partial blocking of the throat by the newly formed adhering inflammatory tissue. Breathing is difficult, and is attended by a curious wheezing noise. The bird becomes extremely thin,

and suffers from diarrhea. It may remain alive for weeks or even months, until, as a rule some acute disorder provoked by malnutrition sets in and finally causes death. Sometimes birds affected in this manner may die suddenly from suffocation, due to obstruction of the nostrils or windpipe by the accumulation of the caseous inflammatory material. Post-mortem examination of a fowl which has died of diphtheria shows the caseous matter referred to deposited along the course of the upper respiratory passage, windpipe and gullet, often extending down the latter into the crop, the liquid contents of which contain flaky portions of the detached inflammatory product. The chest cavity and air sacs may also contain more or less of the yellow fibrinous deposit characteristic of this affection. The intestines may also be involved in these changes and in the acute form, unless death has been due to suffocation following blocking of the windpipe, the spleen, kidneys and liver are enlarged and congested.

ORIGIN

Avian diphtheria is caused by a specific micro-organism belonging to a particular type corresponding to what has been described as the haemorrhagic septicaemia group of bacteria or "pasteurella". Certain cases may be associated with, or are actually due to, an organism which in its microscopical appearance and cultural characters closely resembles the organism of human diphtheria. This type of organism was constantly present in an outbreak which occurred prior to the publication of this article. On account of the similarity of this particular type of organism much controversy has taken place as to the possibility of the transmission of avian diphtheria to man. The best authorities are now agreed that such is not possible, as the organism of avian diphtheria present in these cases differs materially from the human one, notably in its inability to produce the deadly toxin which is responsible for the fatal train of symptoms in the human subject.



The above illustration shows a fowl in the early stages of the roup. It will be noticed that the eye is partly closed by swelling of the face and that the beak is forced open by the accumulation of cheesy, substance, known as canker, at the corners of the mouth and base of tongue. While the illustration does not clearly show the discharge from the nostrils and the characteristic pasty condition of that portion of the head, these symptoms were nevertheless present, as was also a slight discharge from the eye.

severely affected family for taking meals, and observed the children and others feeding fowls out of the hand that were rendered blind by diphtheria affecting the eyes; but in spite of this and other opportunities of infection he has never seen any evidence that the disease could be transmitted to children. Instances to the contrary have been reported and more recently Major Holmes, imperial bacteriologist to the government of India, has recorded an outbreak of diphtheria among European children which

appeared to be associated with a similar disease affecting certain cows and fowls in the same locality, the organisms isolated from cases in each species being indistinguishable from one another as determined by various cultural and inoculation experiments. No conclusive opinions are expressed by Holmes regarding the actual relationship of the diseases in question, which may, however, have occurred coincidentally. The weight of available evidence, at any rate does not support the contention formerly held that avian and human diphtheria are intercommunicable diseases.

CONTAGION

Avian diphtheria is conveyed from fowl to fowl by cohabitation and contact. The material soiled by the virulent discharges from the mouth and excreta of affected birds, picked up with the food swallowed by others, forms a ready means of disseminating the disease. The common drinking trough also is a potent source of contagion. The eye is frequently infected owing to the habit fowls have of scratching the eyelids with their feet soiled with excrement. All birds are susceptible to attacks, but the condition is seen chiefly among fowls, ducks, parrots and pigeons. Rabbits and mice easily contract the disease when inoculated with virulent material. It seems probable that some slight scratch or abrasion of the mucous surface of the mouth or other parts primarily attacked is necessary to insure infection.

TREATMENT

In the acute form of avian diphtheria no effective treatment can be applied. In the more chronic forms treatment in the case of valuable birds may be undertaken with some measure of success, provided the disease be localized upon parts easily reached, such as the mouth or eyes. The best means of treatment in such cases consists of the removal of the "false membranes" by carefully detaching it from the mucous surface with the aid of forceps, followed by swabbing the affected parts with some antiseptic and caustic agent, such as five per cent. watery solution of carbolic acid and tincture of iodine. This treatment must be carried out daily until recovery takes place. Practically speaking, prevention should take precedence of any curative measures. This will include the isolation of affected birds and thorough cleansing and disinfection of the runs, roosts and all utensils. An entire change of site for the former is advisable. Badly affected birds should be killed and their bodies destroyed by burning. Fresh arrivals should be carefully examined for any appearance of this disease before being placed among healthy fowls.

CHICKEN POX OR SORE HEAD

Fowl-pox, avian variola, sore head, or warts as it is familiarly termed, is a disease affecting birds, particularly fowls, turkeys, geese and pigeons. It is known technically as *Epithelioma contagiosum*. Fowl-pox as the name indicates assumes the appearance of the so-called poxes or skin-eruptions affecting other animals and man, but it has no further relation to those, being a specific affection confirmed solely to birds. It attacks most generally the unfeathered portions of the skin, such as the comb and wattles of poultry, and is characterized by the appearance of a number of wartlike outgrowths or excrescences, frequently covered, especially in the initial stages, with a dark brown scab. These outgrowths may extend on to or appear also on the skin round the eyes, the openings of the ears, nostrils and angles of the mouth. Occasionally the lesions make their appearance on the feathered portions of the head and neck, the thigh, and under-surface of the wings.

The disease may also sometimes involve the eyes,

mouth and throat. In the latter case the appearance is strongly suggestive of avian diphtheria or roup. When the mouth parts are attacked there is profuse salivation and gaping on the part of the affected bird, owing to the mechanical obstruction to either of these functions, or to a general state of wasting and malnutrition brought about by this condition. This class of case furnishes a high mortality. Speaking generally, however, fowl-pox may be viewed as a comparatively benign affection. The lesions are usually confined to the comb and wattles, and the affected birds recover in four or five weeks thereafter, becoming immune to further attacks. During the progress of the disease the subject experiences a good deal of pain and inconvenience.

The lesions are inclined to bleed when they are accidentally knocked off or scratched at by a bird or when they are being manipulated for purposes of examination or treatment. Their removal leaves exposed a dirty, grey matter and sometimes bleeding under-surface. This soon heals, and a grey, warty looking excrescence remains. This gradually becomes paler in color and is finally absorbed into the surrounding tissue, leaving, perhaps, a very faint scar marking its former situation.



In this illustration we have a well developed case of chicken pox. This first appears like a small pimple of a dull red color later turning to a straw color, after which a viscid exudate is given out that soon dries on the surface giving the warty appearance to the affected portions, as shown in the above picture. Chicken Pox while occurring frequently in the northern section of the United States is not so prevalent in this section as in the Southern States, where the attacks return with regularity each year.

the case in diphtheritic disease. Birds which are opened for examination after death from fowl-pox show only the lesions already described, although exceptionally the disease has been known to extend and involve gullet and bowels. In avian diphtheria the gullet and bowels are frequently the seat of the disease.

The actual cause of fowl-pox appears to be very minute micro-organism present in the infective material from the site of the disease in the blood of affected birds. So small is this organism that it cannot be distinguished under the highest powers of magnification, while it is capable of passing through the pores of an ordinary Berkefeld filter. Notwithstanding its minute characteristics the virus of fowl-pox is very resistant to the actions of heat, light and chemical agents as compared with other bacteria of the same class. The infective material present in the warty growths will resist a temperature of 140 degrees F., for one hour and one-half, or steaming for one hour at 212 degrees F. The scabby material will also resist the action of the natural elements (air and sunlight) for over two months. Carbolic acid in the proportion of 2 per cent. destroys the virulence of the organism in half an hour, but dilutions higher than this have no such effect.

CONTAGION

Fowl-pox is generally set up in a flock by the introduction of an affected bird, or one which has not fully recovered from the disease. The purulent matter present on the under-surface of the scab is highly effective and the

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THE COLUMBIAN PLYMOUTH ROCKS

THEIR RAPIDLY INCREASING POPULARITY DUE TO THEIR ALL AROUND GOOD QUALITIES. IDEAL FANCIERS' FOWL, THEIR BEAUTIFUL COLOR COMBINATION FURNISHING BREEDING PROBLEMS THAT ARE MOST FASCINATING. AS A UTILITY FOWL THEY STAND WELL OUT IN FRONT BOTH AS EGG PRODUCERS AND AS MARKET FOWL. QUICK MATURITY AND EARLY LAYING A STRONG POINT

BY T. J. ENSLIN, Maplewood, N. J.



HE ever increasing popularity which Columbian Rocks are enjoying, deserves at this time a few words which may enlighten the breeder who has an inclination to hesitate taking up our now well established breed. A great deal has been said regarding the merits of Columbian Rocks, and it has been said well, for in my opinion no breed, (and I have bred a number of breeds including other Plymouth Rocks, Wyandottes and Leghorns) is their superior from a utility standpoint, everything considered, and after all, that is the fundamental reason why we all like to "keep chickens". Not many pens have been on trial at egg-laying contests, but whenever they were so put to a test they made good.

MATURE EARLY

The Columbian Rock is a big bodied, yellow skinned fowl, and as broilers and roasters cannot be excelled. I have never bred a fowl which takes on flesh more quickly. It is a common occurrence to have cockerels weigh five pounds at five months of age, and eight to nine pounds at seven months of age. Pullets like cockerels mature quickly, and very often begin laying at five and one-half months of age. Only a short time ago while visiting the plant of Mrs. M. Parker Twitchell, in Connecticut, she informed me that several pullets hatched January 26th, this year, began laying on June 24th.

There is no question as to their merits as there has never been a "boom" on to make them undeservedly popular. Many new breeds not having the proper kind of stuff in them, have been forced upon the public so to speak, by certain wealthy enthusiasts, and after a period of actual test a reaction would take place, with the result that they would cease to be in favor with those who look for profitable results. Not so with Columbian Rocks, and in consequence there has been a natural healthy growth in popularity. I have every reason to believe they will outshine all other Plymouth Rocks not very far hence. I have the opportunity to visit many large plants in the east where Columbian Rocks are bred in large numbers, and the one notable characteristic is these breeders all "stick to the breed" so to speak which is evidence of their possessing the proper qualifications.

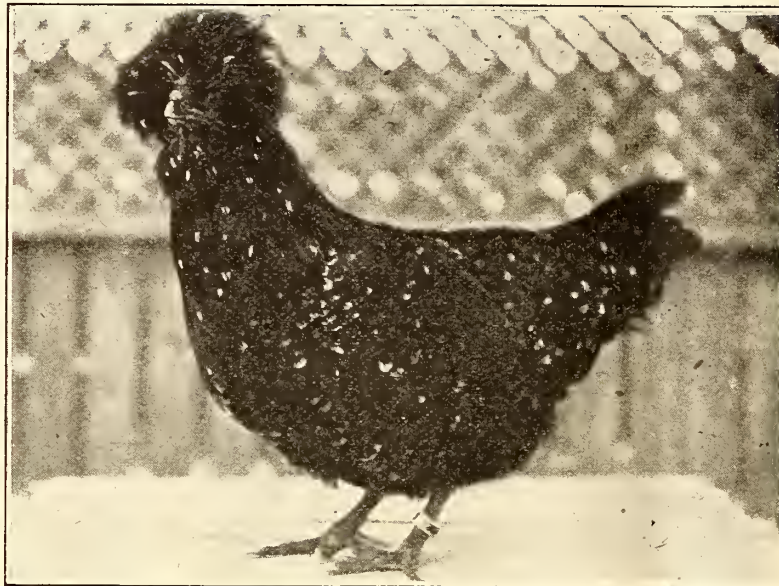
HARMONIOUS BLENDING OF BLACK AND WHITE

As a beauty bird, Columbian Rocks have no superior. Their color which is the same as the Light Brahma, has always been conceded to be a harmonious blending of black and white. To my mind there is nothing more beautiful than a black and white hackle, black tail, black

and white striped tail coverts and a clean white body, breast and fluff. I attribute their appearance in so many show rooms in the past few years, to the fact that they are not only a grand utility fowl, but a beautiful one. As an exhibitor, I have kept in close touch with progress made in perfecting this breed since they received their name, viz. in 1907, since which time I have been breeding them with success. I well remember the specimens exhibited at our largest shows five and six years ago, and when we compare them with birds exhibited at the large shows throughout the country last winter, one can only be surprised at the progress made, both as to type and color. Credit for this achievement must be given to our organization, now reaching large proportions, viz: the American Columbian Rock Club, which in 1909 put stamina into the movement to make them the "best Rock" as we term it. Our ambition has been achieved only after continued agitation on the part of club members.

Much credit must be given to Columbian Rock judges who in all cases made special efforts to take type into consideration as the first qualification and who discouraged to the utmost, the exhibition of the so-called "Dark Bird", a familiar expression with Columbian Wyandotte

breeders. To exhibit the "Dark Bird" (by which is meant the birds whose dark undercolor produces a dark surface, where surface color should be white,) would to my mind be disastrous to our breed, for the reason that they would cease to be beautiful, no matter how perfect the hackle, tail and wings might be. Columbian Wyandotte breeders often give as an excuse for exhibiting the so-called "Dark Bird" that they believe in the old saying, "Exhibit the birds you breed and breed the birds you exhibit". I believe in this principle explicitly, but instead of breeding and exhibiting the "Dark Bird", I exhibit and



A fine Houdan pullet bred and owned by Harry Taylor, 82 Howard Park Ave., Toronto, Ont. While this bird is a trifle dark for exhibition purposes she should make an excellent breeder. Houdans are rapidly returning in popular favor and there is no fowl better adapted to the city and small lot poultry keeper than this beautiful and prolific fowl.

breed with best results from birds which not only have strong color markings, but which at the same time have a clean white body, breast and fluff surface color, which is not only in accordance with the methods pursued by Light Brahma breeders, but results are in accordance with the Standard of Perfection. The old saying that "Like begets like" is true in every sense of the word, and if you exhibit the dark birds you breed, and breed the dark birds you exhibit, you certainly will not have the ideal light Brahma color which is absolutely necessary, if Columbian Rocks are to continue in their ever increasing popularity. I do not mention the above because we are in danger of having the "Dark Bird" get the best of us. The majority of breeders are breeding and exhibiting along correct lines, due to efforts of members of our club, whose influence has thoroughly imbued this principle into the minds of lovers of our breed.

THE POULTRYMAN'S OPPORTUNITY

THERE IS DANGER THAT GOOD FLOCKS WILL BE SACRIFICED ON ACCOUNT OF THE HIGH PRICES OF FEED, AND OTHER CONDITIONS BROUGHT ABOUT BY THE EUROPEAN WARS. EGGS AND POULTRY ARE SURE TO BE HIGH AND SCARCE. GRAIN CROPS IN THE UNITED STATES THE GREATEST IN YEARS. THE NATIONAL EGG LAYING CONTEST MONTHLY REPORT

BY T. E. QUISENBERRY, Director

Missouri State Poultry Experiment Station, Mountain Grove, Missouri



HERE is no reason for good poultrymen to be alarmed because of the present situation which we are facing on account of the European wars or the high prices of feeds. The man who has a good laying strain of pure bred poultry is going to get enough eggs this winter to pay his feed and labor bills and net him a nice profit. Neither will the man who has a good strain of pure bred exhibition poultry suffer, because good breeding stock and eggs in 1915 are going to be scarce and high. We believe that eggs are likely to be higher this winter than ever before. So the good poultryman need not be alarmed. On the other hand, we believe this is really the poultryman's opportunity. But the fellow who will suffer most is the man who has scrub poultry that has neither been bred for eggs or exhibition.

When times get hard or the price of other food products advance, then it is, as is shown by the past history of the industry, that people turn more to poultry raising than before. Thousands of shop men, clerks, mechanics and laboring men in cities and small towns then turn to poultry as a side line to help pay the "High cost of living". It is certain to be so again. However, because of this uneasiness, there is a great danger of many fine flocks, which it has taken years to breed and perfect, being sacrificed this fall and winter. This war is causing

feed to advance in price, but it will also cause eggs, poultry, and practically all other food products to advance in proportion. Poultrymen will be inclined to become frightened at the high cost of grains and sell off their stock so close that their business will be crippled this winter and next season. The price of eggs is going to be high beyond a doubt. The question with you ought to be, "How to get the eggs". There will be a great demand next season for eggs and stock for breeding purposes. Our advice is not to decrease your flock in size so that your business will be crippled this winter or next season.

We have harvested the greatest grain crops we have had for years. Beef, mutton and pork are scarce and high, and are rapidly advancing in price and continually getting scarcer. The world must depend upon the United States largely for its food stuffs. One of our Missouri packing plants has received an order from Canada within the last few days for a million pounds of dressed poultry. Some of this, we understand, is for export to England. Take courage, my friends, for if I am not mistaken the greatest opportunity that ever offered itself to American poultrymen lies before you within the next two years. It will take these warring nations several years to recover from the effects of war, even if it should close now.

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There is probably no combination that works for better results than a cornfield and a flock of chickens. The poultry raiser that provides a field of this description in which the growing chicks can range has not only taken a step that assures added vigor to his stock, but he has also added dollars to his corn crop as the chicks not only help in keeping down the weeds, but also destroy troublesome insects. The cornfield also supplies a cool and shaded range during the hot summer days, thus removing a great handicap to the welfare of the chicks.

THE NEW YORK STATE FAIR

THE POULTRY SHOW HELD IN CONNECTION WITH THE 74th ANNUAL NEW YORK STATE FAIR THE FINEST IN THE HISTORY OF THE EVENT. OVER 6,000 HEAD OF POULTRY ON EXHIBITION. S. C. RHODE ISLAND REDS THE BANNER CLASS WITH 287 SPECIMENS. BUFF ORPINGTONS CAME NEXT WITH S. C. WHITE LEGHORNS A CLOSE THIRD. LEADING BREEDERS HELP TO MAKE UP A QUALITY EXHIBITION THAT PLACED THE POULTRY DEPARTMENT ON A NEW PLANE

BY W. A. WOLFORD



HAT the New York State Fair Poultry Show is fast reaching the plane of our largest winter exhibitions was plainly evident to those who attended the seventy-fourth annual New York State Fair held August 31 to Sept. 5, 1914.

In years gone by large numbers of poultry may have been displayed, but never in the history of the fair has such quality been in evidence as this year. And this was true throughout all classes with but very few exceptions. The general average of all classes and the excellent condition of the birds gave the show a tone that is usually absent in the fall exhibitions, and I believe that this display which included many of the most prominent breeders in the country was a testimonial in appreciation of the able management of W. H. Manning, the superintendent, who has labored hard and earnestly to give the Empire state one of the finest early shows in the United States.

It was mainly through his efforts that the magnificent new poultry building opened one year ago, was pushed ahead of other contemplated improvements, and which is probably the finest exhibition building on any fair grounds in America devoted exclusively to poultry. With this building and the standard set by this year's show a mark has been set that the poultrymen of this great Empire state must give assistance in maintaining.

Another noticeable feature of the fair this year was, that while great improvement was shown in the poultry department other departments were not up to their usual standard, and no little comment was heard along this line. W. M. Anderson, who has been Mr. Manning's assistant since the latter became superintendent, is deserving of a share of the praise as it was upon him that the real routine of the work depended and he acquitted himself very favorably. The cooping was quickly done and everything was in readiness for the judges to start the placing of awards on Tuesday morning. With but few exceptions the judging was completed that day.

One notable feature of the show was the absence of the big "stringers" and the presence of such prominent exhibitors as Rancocas Farms in charge of M. F. Chapman; Owen Farms with M. F. Delano, the present owner, personally looking after the exhibit; J. C. Punderford owner of Monmouth Farms, Sunswick Farms, Yama Farms with Newton Cosh in charge; Sheffield Farms with Hugo Hark; George A. Saportis and his Bonnie Brook White Leghorns; Jno. S. Martin, Houck & Alt, and many other prominent and well known exhibitors that gave tone to the exhibition that has not been in evidence to such a degree at previous shows.

Since last season's show the unfinished details of the building have been completed. The most important of these is the erection of an iron rail 15 inches in front, and running parallel with the cages, making an aisle in which the judges and attendants may work without interference from the spectators. It also helps in a degree in keeping the curious from molesting or tormenting the birds by handling or poking sticks in the cages. The show is cooped throughout with Empire cooping, designed especially for the building, arranged two tiers high and all birds are shown singly in the open classes. The pen classes are provided with large roomy coops that make possible a good display. Numerous attendants were busy at all times looking after the little details that mean so much for the comfort of the birds and helps to keep them in good condition throughout the show. The warm weather that usually prevails during the fair is hard on the birds, and as a practical poultryman, Mr. Manning recognizes this, and has provided sufficient help

to meet any emergency and see that the birds are well provided for.

As previously stated the judging began promptly on Tuesday morning and with but few exceptions was completed on that day, one of the exceptions being the Rhode Island Reds and Judge Card had his work cut out for him as he was confronted with 287 single combs and 158 rose combs, as follows: Single combs—28 cocks, 27 hens, 32 cockerels, 33 pullets, 18 pens old, 15 pens young, making the banner class of the show. In rose combs he had 23 cocks, 22 hens, 15 cockerels, 23 pullets, 9 pens old and 6 pens young.

The next largest class was the S. C. Buff Orpingtons with 186 birds, divided as follows: Cocks 20, hens 22, cockerels 14, pullets 20, pens old 10 and pens young 12. Following them closely were the ever popular White Leghorns with 181 birds. Single Comb Buff Leghorns came next with 146 birds, with Buttercups next with 133. S. C. Black Minorcas, Rose Comb White Leghorns and Silver Campines followed in order, while the total unity was stated to exceed 6,000.

THE CLASSES

The Barred Plymouth Rocks were handled by M. L. Chapman and the awards were well placed, Yama Farms capturing all five firsts. White Rocks came next and were judged by Newton Cosh as were also the Buffs and Columbians. The principal prizes in whites went to Owen Farms with Rancocas Farm contesting all the way. Both exhibitors showed beautiful strings of birds conditioned up to the minute. Comments on the individual birds will be made later on. Buff Plymouth Rocks were a remarkably strong class equal, I believe, to any ever shown at the State Fair. The class consisted of 16 cocks, 17 hens, 10 cockerels, 11 pullets, 5 pens old and 3 pens young. The Columbians came next and here also some remarkable birds were shown. Partridge small class, but good quality as were also the Silver penciled.

The Wyandottes were well represented the Whites being the banner class, and with such exhibitors as Jno. S. Martin and Owen Farms and several others showing good birds. Chas. D. Cleveland, who judged the class, had his hands full as the rare quality of the winners made selection hard. The Buffs came next and the same judge handled this class. Silvers a good class. Blacks small. Partridge good with Sheffield Farms carrying off first honors. Columbians were pronounced by D. Lincoln Orr, who placed the awards, as one of the best classes of the variety that he had ever handled. There were 107 all told, consisting of 11 cocks, 13 hens, 10 cockerels, 12 pullets, 6 pens old and 6 pens young.

Javas, both black and mottled, while not out in numbers, displayed plenty of quality. The same is true of American Dominiques. The S. C. Rhode Island Reds as stated before, were the banner class with their R. C. sisters out in force.

ASIATICS

Both Light and Dark Brahmas brought out fine classes and some beautiful birds were shown. Interest in the light variety appears to be growing. Cochins in all four varieties were shown, but the classes were small. Langshans, both Black and White, were good classes. The Blacks made a very creditable showing with a total of 70 birds, 35 in the open classes and 7 pens.

MEDITERRANEANS

The S. C. White Leghorns as usual headed this class and made one of the finest exhibits of the variety ever penned at the fair. Several prominent breeders were among the exhibitors and the entire class showed a care in conditioning comparable to the winter exhibitions. The awards were placed by Irving Rice who showed

consistency in judging, although many seemed to think that he favored type of female that leaned toward the utility type rather than to Standard ideals, that is, they appeared a trifle long in back which appearance detracts from the sprightly and nervous appearance that we have learned to look for in Leghorns. Rose Comb Whites were out in numbers and also displayed improvement that breeders are making in this variety. Single and Rose Comb Browns while not large classes showed good quality.

S. C. Buffs were not only a large class but they also reminded one of the exhibits seen at winter shows, as much good quality was in evidence, not only in the winners but in the unplaced birds as well. Rose Combs, a small class with good quality in evidence. S. C. Blacks a very good class especially the cockerels and pullets. Silvers were also good and brought out a fair entry.

S. C. Black Minorcas, a nice class with quality sticking out all over. This class as a whole did not show the careful conditioning that was evident in the Leghorns. Rose Combs, a small but select class. Single Comb Whites made a good showing and interest appears to be growing in this variety. There is still room for improvement in feather and the same is true of the Rose Comb Whites which also made a representative showing. The Blue Andalusians while a small class included some remarkably good specimens. A well marked Andalusian is a beautiful bird and they deserve a greater amount of popularity than they appear to enjoy. Anconas demonstrated their popularity by a fine class consisting of 45 singles and 10 pens.

ORPINGTONS

The Single Comb Buff Orpington class was a remarkable one in many ways not only leading the popular whites in numbers, but displaying an abundance of quality. The winners not only showed grand color but also good type and much interest was at all times manifest in this alley. This exhibit brought out some of the best known breeders of Buffs in the east and presages large classes of the variety at our winter shows. As previously mentioned this was the second largest showing of one variety at the fair. The Whites were also a quality class, with a remarkable string from Owen Farms, many pronouncing the first prize hen the best they had ever seen. The superb condition of the majority of these birds considering the season was a tribute to the skill of the several exhibitors in preparing White birds. Small classes were the rule in R. C. White, Jubilee and Blue Orpingtons.

POLISH AND HAMBURGS

It was in these classes that the "Stringer" was most conspicuous by his absence. Only four varieties of Polish were shown. The Silver Spangled Hamburg classes were one of the surprises of the show and indicates a revival of interest in this beautiful old breed. The awards were placed by Judge Drevendstedt and he was faced by 11 cocks, 16 hens, 7 cockerels, 8 pullets, 7

pens old and 2 pens young, making a total of 87 birds which is a remarkable showing. A few Golden Penciled completed the class. Houdans were a fine sized class with some very good birds.

MISCELLANEOUS

Silver Campines were out in numbers and Judge Chapman had his hands full selecting the winners. Altogether there were 114 birds, 64 in the open classes and 50 in the pens. Some remarkably good birds came to light here and later on we will comment upon them. Golden were not so numerous, but what they lacked in numbers was made up in quality.

The next class we come to is the White Faverolles, and I am free to confess that these attractive birds appeal to me, but I am afraid that their wave of popularity is short lived unless their sponsors get down to earth and give them a Standard that is not quite as elastic as the present one. As I stood before one of the pens examining the different individuals, I could not help but think how well the standard advocated by D. L. Orr was helping to mongrelize the variety. In the pen mentioned was one female with clean legs and five toes; one with scantily feathered legs and four toes; one with a few more feathers and five toes, and one with as heavy trimmings on her shanks as is usually found on a light Brahma. It is certainly an easy standard to breed to, you can put any old thing together and get it with all the variations.

This open at both ends standard will be the means of killing a very deserving breed, a variety that those who have tried them speak very highly, not only as layers but as a table fowl, their quick maturity being one of their strong points.

Buttercups were represented by 135 specimens, 65 in the open classes and 70 in the pens. As breeders of this variety have been somewhat in the dark regarding standard requirements there was much variation in color and feather markings, the majority of the females inclining to a penciled plumage in place of the "Sicilian Spots". The males also presented a varied appearance and ranged all the way from a light buff to a dark red.

The Buttercup breeders are a persistent lot of good fellows and they mean to put their favorite to the front and keep them there.

As a step in the right direction they held a club meeting on Wednesday, Sept. 2, and formulated a standard. This was done with valuable assistance from Artist A. O. Schilling.

who offered many valuable suggestions. Final action on the standard will be taken at the annual meeting to be held during the Boston show next January.

A very good showing of Cornish fowl was made, all their varieties being represented.

BANTAMS

These little midgets always demand their share of attention and the State Fair exhibit was no exception. The exhibit was a very representative one and many good specimens were to be seen. In the game division the Black Reds were the main attraction while in the Orna-

(Continued on page 878)



A. O. Schilling 1914
FIRST PRIZE COCK, NEW YORK STATE FAIR, SEPTEMBER 1914.
BRED AND OWNED BY RANCOCAS POULTRY FARMS.
BROWN'S MILLS NEW JERSEY

To win the blue ribbon at New York State Fair at the present time is no easy task in most of the popular breeds and it is becoming more difficult each year. This season quality was of the very highest order in view of the fact that many of the most prominent exhibitors at such shows as Madison Square Garden and Boston had entered their birds. White Leghorns were especially strong in quality and Rancocas Poultry Farm, Brown's Mills, N. J., showed a fine string which captured the display prize and four out of six firsts as well as other places well up in the winning classes. One hundred Single Comb White Leghorns were on exhibition which is in itself evidence of the size of classes in competition. The cock shown above leads the winners beginning in the cock classes and he is truly a beautiful specimen. In shape, style and feather we consider him one of the best going today.—A. O. Schilling.

AMERICAN POULTRY WORLD



DEVOTED TO THE
Upbuilding of the Poultry Industry
in All Branches

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STAFF ARTIST:
Arthur O. Schilling,

EDITORIALS

OUTLOOK FOR THE POULTRY INDUSTRY IN THE UNITED STATES CONTINUES TO BE SATISFACTORY

During the last thirty days the outlook for all branches of the poultry business in the United States has continued to improve rather than otherwise.

Evidently the one thing that we dreaded, viz., that the cost of poultry foods might go too high, is not going to take place.

For example, in late August wheat in the Chicago market, for immediate delivery, was selling at \$1.10 and \$1.12 per bushel, corn was selling at 80 to 83 cents a bushel and oats at 49 to 51 cents per bushel, whereas yesterday, September 24th, the Chicago board of trade quotations for these leading cereals, immediate delivery, were as follows: Wheat, \$1.07 to \$1.09 per bushel (closed at \$1.07); corn, 77 to 78½ per bushel and oats 46½ to 47 cents a bushel.

The foregoing lower prices prevailed in spite of the fact that Europe is buying freely of us, especially wheat, oats and flour. On the other hand, we need to bear in mind two facts: First, that Europe had harvested large crops of wheat and oats before the war broke out; second, that practically all of Europe, with its teeming millions, is now on "half rations",

or much less than this, including not only the soldiers, but the people at home.

The claim, as made in this country in mid-August, that Europe now "would have to have" such enormous quantities of American wheat and oats that wheat would bring \$1.50 a bushel and oats 75 to 80 cents per bushel, did not appeal to us. It now is quite certain that such prices, or or anything like them, cannot be expected.

To our way of thinking the one danger that threatened the poultry industry of the United States, arising from the European war, was that the prices of wheat, corn, oats, kaffir corn, millet, screenings, alfalfa, etc., would go so high, either from direct demand or in sympathy with wheat prices, that the cost of poultry foods would frighten poultry keepers, present and prospective. Already it is quite clear that this condition is not going to exist.

We can see nothing else ahead of us that is at all alarming or that should deter poultry keepers from carrying increased flocks of layers and breeders into the winter as egg producers and for sale during the first three or four months of 1915. This applies to the production of eggs for market and the sale of standard-bred fowls for breeding purposes.

Our belief is, at this writing, all conditions carefully considered, that the poultry industry of the United States is really going to prosper during the season of 1914-1915. The outlook for prices for market poultry and eggs is from good to excellent. An important phase of the market-poultry-and-egg subject is treated more at length in the article herewith entitled, "Small Prospect that The Prices of Table Meats Will be Lower for Some Time to Come".

Numerous reports have been received by us lately from prominent poultrymen, to the effect that inquiries for breeding stock and exhibition birds are greater in number at present than was the case a year ago and during the fall of 1912, also that orders are satisfactory in number and prices—that both inquiries and orders are well ahead of last year at this time. This is encouraging and was to have been expected. We confidently believe that by January 1st at the latest the poultry and poultry supply trade of this favored land will surprise us all.

Poultry shows are to be as numerous, if not more numerous, this win-

ter than was the case a year ago and two years ago. We have noted particularly the large number of show notices that have been sent to the "World" and to the Reliable Poultry Journal for publication this fall. Poultrymen in general, including poultry show managers, appear to be convinced that this is to be an unusually profitable season for standard-bred poultry and egg production.

Unquestionably the farming class and villagers of the United States, particularly in the grain-growing sections, are to have more money to spend this fall and winter than ever before. On account of the European war they are receiving unexpectedly high prices for their products and the 1914 American farm crops, taken in combination, are simply immense—are to sell for fifteen to sixteen billions of dollars, and it is "cash" money.

Not only are our crops of cereals enormous, but the same is true of potatoes and fruit, in sections where these crops abound; also the hay crop is big, taking the country over and the fall pastures are fine, much to the farmers' immediate benefit—and when the farmers are prosperous the villager likewise is in funds.

It is to farmers, villagers and suburbanites that ninety per cent. of the surplus breeding fowls, hatching eggs and day-old chicks produced by poultrymen are sold every winter and spring. Farmers and villagers, during the season of 1914-1915, can buy all of the standard poultry, hatching eggs and day-old chicks they wish to own. Of this there can be no doubt. Moreover, there never was a better time for them to invest, because the outlook for high prices for market poultry and eggs, also for breeding stock and eggs for hatching, appears to be bright indeed.

Unfortunately, looked at from the viewpoint of general business conditions, hundreds of thousands of thrifty men—mostly mechanics, clerks, etc.—are to be out of work this coming winter and spring or on short time and these men will want to capitalize their idle time by taking up some side line. As a rule they live in large cities or in moderate sized towns—a great many of them in the suburbs. Thousands of them are certain to take up poultry on a small scale, utilizing the back yard or a nearby vacant lot. This was the case during the slack industrial years which followed 1893, also those that followed 1907. History again will

repeat itself during the season now at hand, in all probability.

Every poultryman in good health should be an optimist these days. Remember that the "goods" you have for sale have for "their object in life" the production of "good things to eat". Eggs are a household necessity and poultry meat for table use is still unexcelled. Breeding stock and hatching eggs in nearly every case are sold to people who wish to make money—who are anxious to convert enforced idleness into something that will pay, into something that can be used on the home table in cutting down the high cost of living, or that can be sold for cash or traded at the corner store to advantage.

The present is not a time to branch out foolishly, but is a period for closer study, for more careful planning, for a greater conservation of special values and for genuine, aggressive, personal, individual courage. It is no time to sit idly by and twirl a pair of nonproductive thumbs.

Writer is watching carefully the signs, as they develop from day to day, and the situation continues to grow more and more encouraging. At present it looks like almost "a sure thing" for energetic poultrymen—for breeders of standard flocks who have good stock, good facilities and a fair share of salesmanship ability. Thought, facts and real "snap" should be put into your advertisements, into your circulars, into your correspondence. Have something that the interested public wants to buy, then tell them about it.

These days your fowls should receive extra care. They should be culled more closely than heretofore, thus cutting down the feed bill, and the birds that you retain will profit by the greater attention they get, by the additional room they have, thus yielding you a larger profit for the season than would be the case if you tried to carry too many fowls for the facilities you can place at their disposal.

While general business conditions still are unsettled, we can see nothing serious ahead which will directly affect the poultry industry, now that the danger of an excessively high cost of poultry foods has been dis-

pelled by the developments of the first eight weeks of war.

Therefore let us "drive on" and make every lick and every dollar count. That should be the rule of effort and expenditure. Be clean-cut and thorough in whatever you undertake. Be extra careful this season not to overshoot the mark. Overreaching is a common American failing in all lines of business. Mark out what you can do, ALL that you think you should undertake, then hew closely to the line and push straight ahead.

Manufacturers of and dealers in poultry supplies may well look forward to a good business this coming winter and spring, not a record-breaking business perhaps, yet nevertheless a large and healthy demand for their valuable, up-to-date products. Let us remember that these manufacturers and dealers also sell goods to be used in the production of "something to eat"—to be used by men and women who are anxious to make money. With high prices in prospect—practically assured, in fact—the farmers and villagers, plus the many thousands of men out of work, or on short time, will want to branch out in poultry keeping or to take up poultry and egg production as a side line next spring, doing so to a greater extent than has been the case for several years. Such is our belief at this time.

Truth is, the poultry business has not been what it should be since the panic of 1907, with the exception of about eighteen months. Those eighteen months were the twelve which represented 1910 and the first six of 1911. Then came the slump of the spring of 1912, resulting largely from the unprecedented cold weather and late, wet spring, followed by a change in the national administration, with the proposals of tariff reduction, etc., etc.

At present, however, the poultry crop of this country is at least one-third short, while the prices of table meats of all kinds are almost certain to continue at the prevailing high prices. This will mean continued high prices for table eggs and poultry meat. Poultry keepers are now accustomed to quite high prices

for poultry foods, because of the grain prices that have existed during the last three or four years. Present poultry food prices are not really excessive, nor are they going to be, judging from the action of the American grain market during the last four to six weeks. We shall not be surprised if grain prices go lower, rather than higher—especially in the case of corn when the new crop comes into market.

Our definite advice to readers of the AMERICAN POULTRY WORLD is to retain all pullets and yearling hens—those that are in good health and that possess constitutional vigor, while at the same time culling out all weaklings, all hens that are two years old and older and marketing them along with the surplus male birds. Keep in mind the fact that male birds are a detriment, not a benefit with your flocks of layers; therefore retain only enough of them for breeding purposes and to sell as breeders.

In view of the cost of poultry food, whatever it may be, it is good judgment and "good business" to scrutinize every fowl you retain. Watch the nest boxes as the season progresses and be sure to get rid of the drones. While some of your birds are producing eggs at the rate of 175 to 250 per year, other birds—and they are far too numerous—will be laying only one dozen to five dozen eggs per year, or at about that rate. Needless to say that the birds that

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do not lay eggs enough to pay their "annual keep" should be hustled off to market without delay. The sooner each poultry keeper **FINDS OUT WHICH BIRDS** in his flocks are the drones and which do not pay for the food they eat, for the room they occupy and for the labor bestowed on them, the better it will be for the profit side of the ledger.

Really these are the points that count! "A hen is a hen", but there is a mighty lot of difference between a good hen and one that is worthless, or comparatively so. By "worthless" we mean as a layer, as a profit-earner. These wont-lay hens or can't-lay hens should be eaten by you, or some other consumer—and the sooner the better.

Now is a good time, reader, for you to decide to make a greater, a closer study than ever before of the few interesting problems that go under the name of poultry culture. There are big profits to be made in poultry keeping, investment considered, but it takes brains and thought to win out, as is the case in every other line of honest endeavor. It cannot be done on the hit-or-miss plan, or by the wholesale "on paper". Get out among your flocks, consider carefully your facilities, study the needs of your birds, find out which are the profit-earners and be governed accordingly.

Producing poultry and eggs for market can be made to pay and pay well, but the man or woman of special intelligence, of special initiative and special courage will soon discover that it pays far better to produce choice breeding stock, hatching eggs and day-old chicks of the standard varieties—to produce something that others eagerly want to buy, because of its individual or flock excellence. This means getting into the standard-bred branch of poultry keeping, which is the branch that pays best by long odds, if you have a liking for the work and the brains and energy to excel the "general average" of effort that is put into this work.

Things that are easy to do are not the ones that pay best. Just "average" effort and enterprise do not pay very well either. It is special effort, special enterprise, extra thought and extraordinary application that win the desirable prizes in

all walks of life. Pardon this lecture, or "preaching", but we regret to see any one go about his or her work in a half-hearted way! Half-hearted, generally means half-licked. Life's battles, small or large, are not won in that way. Whatever you do should be worth doing well. As a rule if you will put real heart into it and go ahead with a full determination to win, **SUCCESS WILL RESULT**. This truth is as old as the hills—also as solid. Examples of it exist on every hand. It is your job, your task, not the other fellows! He is busy pushing his own apple cart—or ought to be.

SMALL PROSPECT THAT THE PRICES OF TABLE MEATS WILL BE LOWER FOR SOME TIME TO COME

Any hopes that American housewives may have had that the prices of table meats will be lower in the near future, have been destroyed by conditions brought about by the great European war.

It is easy to understand that stock-growing of different kinds, including even the production of poultry and eggs, has been greatly interfered with in the European countries now engaged in a death grapple for national existence.

England, for example, is an important stock-growing country, area considered. Writer has had the privilege of attending a number of English agricultural fairs and we were much impressed with the high quality of the beef cattle and sheep on exhibition.

In this country, especially in the great central-west, we produce immense quantities of beef cattle, hogs and sheep, a goodly proportion of which is high-class. Many times we have inspected exhibits of cattle, hogs and sheep at the leading state and district fairs of the central west and in the east, admiring greatly the fine specimens shown, but in England we were forced to concede that they do even better in this line, though on a much smaller scale as to numbers. Canada also produces a high grade of beef cattle and sheep, notably the province of Ontario.

In England one of the important factors in the growing of prize quality beef cattle and sheep, is the favorable climate. In the south, two-thirds of England proper, they have "twelve months of grass". This is especially true in the southern half of England proper. For instance, along the English Channel, fushias bloom the year around. Twelve months of pasture means something to the stock grower.

American housewives have looked hopefully toward South America as a

source of beef cattle that would cut down the high prices of table meats in this country. To date they have looked in vain and the prospect now for help from this source is not promising. For example, soon after the present war broke out the steamship lines plying between the United States and South American ports promptly announced an advance of fifty per cent. in freight rates. That fact alone is discouraging. Furthermore, the quality of surplus cattle produced in the Argentine Republic and two or three other pasture countries of South America, is not large and probably will not be during the life time of the present generation.

Other countries in Europe besides England are heavy meat producers, area considered. They include France, Belgium, Germany, Russia, Austria, etc. Every one of these countries is now overwhelmingly at war, with diminishing chances for an early peace. Not only are great areas to be devastated by the actual presence and passage of millions of armed men—great hungry hordes that must be fed, in one way or another—but the farms are depleted of laborers to an extent never equalled by the wheat-growing states of this country. Moreover, there is no practical way of securing farm help too relieve the present European situation. Women, children and non-combatant old men must do the farm work in large part—all forms of it—or it will not be done.

Canned meat is a highly desirable army food because of its compact form and its lasting qualities against spoilage. Before the present war was thirty days old the great meat packers of Chicago, Kansas City, Omaha, Buffalo, etc., were sold out of canned meats. Furthermore, they now have advance orders for the European countries at war—orders that it will take three to six months to fill.

Probably but few of our readers are in a position to realize the enormous quantities of poultry meat and the high general quality thereof that are produced in European countries, including England and Ireland as part of the British Isles, also France, Belgium, Holland, Germany and even Russia. In peaceful times literally millions of dozens of eggs laid by Russia's hens are exported to England, France and other old world countries.

While America leads, or assumes that it leads, in numerous practical features in the large-scale, semi-professional production of poultry and eggs, it no doubt is a fact that several European countries are well in advance of us in the production of great quantities of prime-quality poultry meat. To our personal knowledge this is true of England, Belgium and France.

Moreover, poultry on a small scale, as kept by cottagers and small farm-

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You can ill afford to ignore my ability to now serve you liberally in the finest exhibition birds, or the best possible layers in utility stock.

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ers, the latter with land ranging from part of an acre to four or five acres, is more popular in England, Belgium, France, Holland and Denmark than it is in this country, even in our eastern states.

Necessity is still the mother of invention and Thrift is a favorite handmaiden, so to speak.

In these old countries, on account of density of population, the great mass of inhabitants find it necessary to look after the small things, to avoid waste in all forms and to profit by near-at-hand opportunities.

Industry and commerce are the great producers and collectors of wealth; hence we are confronted with the odd fact that in sections where the population is dense and where wealth abounds, such as in England, France and the eastern states of our own country, the prices paid for poultry and eggs are much higher than in the agricultural sections where these articles of food are produced.

This is true, despite the fact that tens of thousands of acres of available land, in small and large plots, ready to hand, still are idle throughout these densely populated sections and seem to invite the poultry keeper to "get busy".

England alone last year, so the secretary of the Royal Agricultural Society reports, paid out more than fifty millions of dollars for poultry and eggs imported from foreign countries, chiefly from Russia, Denmark, Holland, Sweden and Belgium. This winter and next spring she will have to depend on the United States and the British Colonies for the bulk of her supply, so far as imports are concerned. Already our country is shipping large quantities of storage eggs to England—a condition brought on by the war.

It is natural enough that we should feel anxious about the high prices of grain in this country, which would result in an increased cost of poultry foods, but what must be the feelings of the poultry keepers of the British Isles, of Belgium, France, etc.? The inhabitants of these

countries soon will have eaten up their surplus of grain, flour, etc., using it for human consumption, which means that the poultry keepers must look elsewhere, as far as practical, for food for their fowls. Before the war was a month old the various European governments, through their agricultural societies, national and local, were strongly advising the poultry keepers and farmers to gather and conserve every bit of field and garden waste practicable, for use in feeding the fowls in an economical manner.

All of these large facts, here stated merely in a general way, bear directly or indirectly on the table meat supply of the foremost civilized nations, including the United States. Undoubtedly the world-demand for meats has received a check, on account of the great war, but this check is by no means equal to the unavoidable interference with production. There may be a falling off in demand, amounting to perhaps ten to fifteen per cent., but it is highly probable that the reduction in the international supply will equal thirty-five to forty per cent.

For a time in England, covering the first two or three weeks after the war broke out, eggs and fowls were sent to market in such quantities that prices were demoralized, but a change soon set in, with the result that prices in late September were above those which prevailed before war was declared. It is now the publicly expressed belief of leading English poultry authorities, including prominent commission men in London, that the prices of poultry and eggs will be much higher than common from this time on, at least for several months.

As regards the American market, the demand probably will be checked somewhat by the slowing down of general industry, including many men out of work or on half time, but this check will be offset, with a wide margin to spare, by three chief facts, among various minor ones:

First, the 1914 poultry crop in this

country is fully one-third short, as compared with the average year.

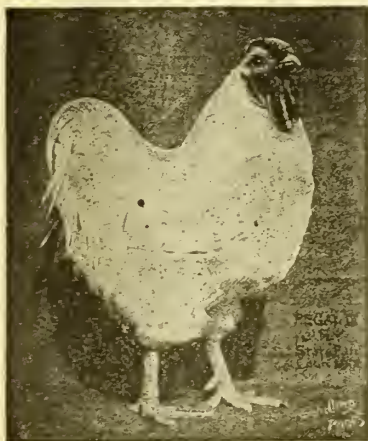
Second, Europe, especially Great Britain, is to make a heavy demand on our surplus of eggs, a movement that began within two weeks after the war was started and that has continued steadily since then. Already our supply of 1914 storage eggs has been drawn on quite heavily.

Third, ours is an immensely wealthy country and the prices of poultry and eggs have been steadily climbing during the last seven years, despite the panic of 1907, the trade depression of 1908 and 1909, and the slack times that have prevailed during the last two years and more, resulting in large part from a change in the national administration, and the natural, excusable fear of tariff reform, of currency legislation, of anti-trust laws, etc.

All things considered, the present is indeed a promising time for American poultry keepers to put on their thinking caps, to plan better, to economize in labor and foods, to study the domestic market—in fact, to take full advantage of all features of the present situation, whether the product is to be for home consumption or is to be sold to the highest bidder.

We have long admired the German people and wondered at their industrial and commercial development. "How do they do it?" has been a question we have asked ourselves repeatedly, with the desire to understand the marvelous industrial progress of the German nation since we have been old enough to pay attention. Thoroughness, the practical effect of which is summed up in the word efficiency, no doubt is the secret—this, plus earnestness of purpose.

It is this thoroughness, this efficiency, this earnestness of purpose that the American poultry keeper NEEDS TODAY AS NEVER BEFORE. The opportunity is at hand for him to take advantage of the new conditions that promise immediate profit—that will place a solid foundation under his poultry enterprise, small or large, and it is for him to work out the problem, each in his



REGAL SUPREMACY

At the New York State Fair, September 1 to 6, 1914

For the ninth time Martin's White Wyandottes prove themselves invincible. In the keenest kind of competition they win under Judge Chas. D. Cleveland:

Cocks, 1-2-3-4

Cockerels, 1-2-3-4-5

Pens (young), 1-3-4

Hens, 1-2-3

Pullets, 1-3-4-5

Pens (old), 2-3-4

National White Wyandotte Club Cup, best cock, hen, cockerel, pullet and pen. Poultry Success Cup for best display. Rancocas Cup for best ten Wyandottes (any variety). \$25.00 in gold for best display. Judges and breeders agreed that never had such a string of White Wyandottes been shown by any other breeder. In a string of 50 birds 46 were under ribbons, showing the wonderful uniformity of type running through my flock. In nine years showing at this fair my birds have won 47 blue ribbons out of a possible 54. Why not make a start with the Regal Strain? No other strain combines utility and exhibition qualities to such a marked degree. 1000 matured cockerels and pullets ready to go into the show room now. 1500 cocks and hens to select show birds and breeding stock from.

FREE—20-page Illustrated Catalogue and Sale List.

JOHN S. MARTIN,

Box W.

PORT DOVER, CANADA

own behalf, based on local opportunities, his personal resources and time at his disposal.

Poultrymen these days in free America have much for which to be thankful. Their business is the production of something to eat. Eggs may be said to be a household necessity. They are "spot cash" in practically every market, from the metropolis down to the store at the country cross roads. Cash can be had for them, or staple articles, "in trade"—your choice.

"Get busy", therefore, is our advice—**GET BUSY AS NEVER BEFORE** in this line of effort and enterprise. Whether you keep a few fowls, or several hundred, or a number of thousands, be resolved to **STUDY and PLAN and WORK** as never before. Unquestionably this country is going to profit by the European war, to what extent no one can foretell. We are the foremost agricultural field of the world, and for the next twenty-five years at least we are destined to lead the nations of the earth as a manufacturing country. For months and years Europe must look to us not only for billions of dollars' worth of food products, but also for immense quantities of manufactured articles.

Prosperity in our fields and in the factories will mean a still greater home demand for the two table delicacies, poultry and eggs, one of which is truly a necessity. For a long time to come this means a double market for the products of the poultry keeper—a rich and prosperous home market, with Europe anxiously bidding for our surplus.

The future demand for poultry and eggs at high prices is established. Of this there can be little or no room for doubt. American and Canadian poultry keepers may well take new courage from the self-evident facts and now is the time for them to get "on the job"—to start in on a right plan, or gradually to extend as the demand justifies, doing so on the basis of individual resources and local opportunities.

Make haste moderately; study the business as a whole; solve each problem with care—but be sure to set your goal well ahead and then work for it. If you are to be a success it will depend on your own efforts. Other people have their problems—their troubles, so to speak, and they have not the time to bother with yours. **SUCCESS COMES TO THOSE WHO PLAN WELL AND WORK HARD.** A four-hour work day will not do it, nor a six or seven-hour day—not in the poultry business. The "average man" does that or better. If you are to excel, if you are to achieve special and gratifying success, you must do better than the average—as much better as your physical strength will permit. On top of that it is a question of brains—of putting **REAL STUDY AND THOUGHT** into your work, no matter what the work is.

On top of this little sermon, here's Good Luck to you.

STATE OF OHIO LEADS OFF IN NEW AND HIGHLY IMPORTANT POULTRY WORK

The following paragraphs are quoted from a letter of date September 4, 1914, written by S. T. Campbell, Mansfield, Ohio, secretary of the American Poultry Association, to the editor of A. P. W.:

"September 3rd we had a rousing good meeting at the State Fair, at Columbus, where we had the pleasure of hearing an address from Mr. Sewell, the artist. A Mr. Bell was present from Winnipeg, and also gave an interesting talk.

"The Ohio Branch was organized into the Ohio Poultry Breeders' Association, with fee of \$1.00 fixed for the annual dues in the new-plan state organization.

"I made a report of the proceedings of the late Chicago meeting which was very favorably received, so that you will observe that Ohio is progressive.

"There will be an organizer placed in every county in the state. With 88 organizers in our state there should be something doing. During the last fiscal year, Ohio enrolled 143 members for the A. P. A. Chas. McCleve, treasurer of the Ohio association, reported about \$1,000 on hand. Eight hundred dollars of this amount is drawing interest at the rate of four per cent."

Under the new constitution and laws of the American Poultry Association, what formerly were known as state and provincial "branches" have become state or provincial "members". Two important changes have been made, as follows:

First, the word "branch" has been dropped entirely. This was done to meet the objection of state legislatures which, in several cases, declined to appropriate state funds for poultry associations that were known as branches of some national or international organization. As a rule, state funds must be used solely within the state boundaries.

Second, the state and provincial members may now accept to membership, on an annual dues basis, local members who are not members of the American Poultry Association. Heretofore all members of the state or provincial "branch" had to be members of the "parent body", so-called, the cost of which is ten dollars. From now on, the state or provincial members can fix annual dues at any nominal sum, say 50 cents or \$1.00 and then secure on this basis as many members as possible in its own territory, at the same time retaining every cent of such dues for state or provincial use in promoting the local interests of poultry culture.

Moreover, the American Poultry Association makes several other important concessions that are financially helpful to the state and provincial members. As examples, a state or provincial member can buy at attractive wholesale prices any books published by A. P. A. such as the Standard of Perfection; it is also assured of a liberal profit on all show supplies bought by it from the secretary of A. P. A. for use in its territory, and on every life member it secures for A. P. A., either through its officers or by the help of any member, it will receive either \$2.00 or \$5.00, according to the plan adopted by it. In practically every case it can obtain \$5.00 for each new A. P.

A. member, provided it does the work itself, without depending on an A. P. A. general organizer.

As is set forth in Secretary Campbell's letter, quoted herewith, the state of Ohio seems to be the first in the field, as regards putting this new plan into operation. All credit to Ohio, to her progressive poultrymen and to the secretary of A. P. A. himself. Thanks largely to Secretary Campbell's earnest, steady and capable work, Ohio for some time past has led all other states of the Union in A. P. A. membership and now she has taken the lead in this new development.

Word comes promptly from the Southeast that the "Empire of Texas" is not far behind. As early as September 16, C. P. Van Winkle, editor of The Poultry News, at Dallas, wrote us that at the State Fair, to be held in Dallas this month, the necessary steps are to be taken to place the Texas branch on the new basis, then they propose to show the rest of this country and Canada what the Lone Star State can do, despite the war or other drawbacks. Writing on the subject, under date of September 21st, S. J. Hooper, also of Dallas, publisher of the Southern Poultry Journal said, referring to the new plan, as authorized by the revised A. P. A. constitution and laws.

"I was greatly interested in that part of the new constitution adopted at Chicago which enables state branches, or associations to take in local or state members at nominal membership fees and annual dues. I believe it is the greatest forward step since 1906".

Pennsylvania was one of the states that asked to have the word "branch" eliminated and it is expected that she will follow closely on the heels of Ohio and Texas in the new work. Then look out for what is certain to happen soon in such progressive states as Illinois, Indiana, Massachusetts, etc. What may be expected of New York, we do not know, but what she should do, everybody knows who is at all interested—she ought to "get on the job" without delay and keep at it until her state member, whatever the name may be, is solidly in the lead of all other states. This is true on account of her large population, also for other reasons.

It will be well to create all the rivalry possible in this highly important work of state and provincial organization, the chief object of which is to benefit local poultry conditions and to develop new interest in every city, village and hamlet, also on every farm. State and provincial leadership is now greatly in demand, to make the authorized changes and to promote local poultry education and enthusiasm, on the new basis. The American Poultry Association has done its part—has come half way and more; now the opportunity for rapid expansion is placed squarely in the hands of the friends and champions of the industry in each state and province.

The time is ripe for renewed organized efforts in behalf of poultry in practically every state and province of the United States and Canada. The outlook is that all branches of the poultry business are going to

thrive and develop rapidly during the next three to five years; therefore now is the "accepted time" for us all to buckle in and do our level best to take full advantage of every legitimate opportunity, both in the form of organized bodies of poultrymen and as individuals engaged in any branch of the industry.

EXIT S. A. MERKLEY OF BUFFALO— HAS GONE TO CANADA TO LOCATE

In the March, 1912, issue of the "World" we went into details about Stanley A. Merkley of Buffalo, N. Y., a dentist who at that time and for three or four years previous had been active in poultry circles of Buffalo, also as a member and officer of the New York State Branch of the American Poultry Association.

We had learned, in one way and another, precisely the kind of a man the doctor is and it was plain that his work and influence as a champion of poultry culture in Western New York were not benefiting the industry nor adding honor or dignity to it.

In that article we gave facts which showed up the "yellow" in Dr. Merkley, as it came to the surface at the Denver, 1911, convention of A. P. A. and thereafter. Also in the article referred to we told of the doctor's poultry-club, cock-fighting efforts and of other questionable methods introduced by him in order to swell the door receipts of the Merkley Buffalo show, thus adding to his rake-off of four cents on every admission ticket sold.

Some of his associates thought we were rather severe on the doughty, ingenious and hard-working doctor. Probably by this time most of them have changed their minds. His conduct back there was such, as explained in the article here mentioned, that he should have been expelled from membership in the American Poultry Association and removed from office as secretary of the New York State Branch. We would have attended to the matter ourselves if we had had the time to spare.

The forepart of last month, Dr. Merkley left Buffalo for Canada. His departure was told about in a leading Buffalo daily paper which, despite the exciting war news of the day, gave up the first column and a half of the front page to the doctor's departure and also published a half-tone cut of the doctor himself. Fol-

lowing is part of the double-column heading:

"Merkley goes to Canada, Leaving Unsatisfied Debt. Poultry Club on the Rocks. Secretary of Local Fanciers' Association Gone to Winnipeg District without Making an Accounting of Funds".

This news report, as published in the September 17th issue of the Buffalo Daily Enquirer, we reprint in part as follows:

"Dr. Stanley A. Merkley, who for some years past has been regarded as one of the leading poultry fanciers in Buffalo, has departed to the Winnipeg region leaving behind him a few mementoes in the shape of an \$800 judgment, a stranded poultry club and a vacant date on the winter's entertainment programmes at the spot the International poultry show was to occupy.

"According to some of the doctor's acquaintances he is not expected to return. According to David E. Peugeot, lawyer for Russell H. Merkley of New York, the missing doctor's cousin, if he does there is an order in supplementary proceedings waiting for him. The cousin, as attested by the complaint in a recently instituted lawsuit, loaned Merkley \$800 for a few days. The few days went and so did Merkley. The cousin now figures he is out his \$800.

"At the quarters of the Buffalo Poultry and Pigeon club in the Coal & Iron Exchange, of which Merkley was the founder and most active officer, there is a padlock on the door and nobody in attendance. Members of the club say it will be disbanded, as the funds in the treasury are low and the bills due are formidable. Some of the club members are very angry at Merkley and blame him for the state of affairs.

"As secretary of the club, Merkley had charge of the collection of dues and payment of bills. Before he left for Winnipeg he had no final accounting with the institution.

"In the county clerk's deed record this morning appears the statement that a deed for a lot on Hammerschmidt avenue, running from S. A. Merkley to R. W. Merkley, was filed yesterday. This covers one chapter in the story of what transpired immediately before Merkley left Buffalo. It is said that when he borrowed \$800 from his New York cousin, he gave the latter a deed to this lot on Hammerschmidt avenue, but the understanding was it should not be placed on record just then. The deed is dated March 3, 1914, about April 24, William J. Eyring bought the lot from Merkley and filed a deed, it is claimed.

"Then R. H. Merkley sued the doctor in the city court for \$800 and recovered a judgment for \$816. Peugeot, his lawyer, had an execution issued. It was returned unsatisfied. He got an order in supplementary proceedings a short while ago and a deputy went out to Merkley's home, No. 1807 Seneca street, to serve it. He found the doctor had gone to Canada.

"Merkley's friends say he was unfortunate in his chicken show activities. They credit him with receiving interest in fancy poultry that had lagged to a point where no annual show was held

in Buffalo. He got the international show going as an annual and profitable affair. Then last year, when it looked like a winner, there was a split among the poultry fanciers and the November show was instituted by some who could not agree with Merkley. It obtained strong support and injured the international show two months later. This show rivalry promised to continue if Merkley's association remained in the field. Some chicken fanciers believe this situation figured largely in Merkley's decision to leave Buffalo.

The foregoing report is incorrect in some particulars. It was not Dr. Merkley who started the original International Poultry Show at Buffalo, nor was it he who revived general interest in standard poultry in Buffalo and vicinity. C. J. Standart, assisted by Thos. Harp and others, were the men who did that work. Merkley did not come into the field until later and it was largely his conduct that finally wrecked the older organization.

One by one the friends of poultry culture in and around Buffalo learned of Merkley's character and methods, the result being that a new association was organized under the name of The International Poultry Association. This new association gave its first exhibition Thanksgiving week, 1913, as "The Greater Buffalo Show" and it was a noteworthy success. Merkley made a "bluff" at holding another show in January, but it did not pan out well. It is this show that has been abandoned in Buffalo.

The new international association is to hold its second annual show next month, during Thanksgiving week, November 23-28, and no doubt it will be a record-breaker now that Buffalo is to hold but the one show. All true friends of standard-bred poultry in Buffalo territory and the Canadian province of Ontario, should rally to the support of this annual exhibition. A city of the size of Buffalo ought to have only one annual poultry show and its management should be in the hands of men who stand well locally and are responsible for their obligations.

Originally first-class men were associated with the old Buffalo show, but a number of them dropped out after Merkley gained control. For two years or more he ran things practically to suit himself. His leaving for Canada, regardless of the reason or reasons, should be to the advantage of poultry interests in Buffalo and vicinity, decidedly so. It is to be hoped that in future he will

Rancocas Single Comb White Leghorns and White Plymouth Rocks

Made Their Third Great WIN at New York State Fair, Syracuse

Single Comb White Leghorns. 1st and 2nd Cock; 1st, 3rd Cockerel; 3rd, 4th and 5th Hen; 3rd, 5th Pullets. 1st Old Pen. 1st Young Pen. \$50 cash SPECIAL FOR THE BEST EXHIBIT IN THE ENTIRE SHOW, with 6,000 birds competing.

White Plymouth Rocks. 1st, 4th, 5th Cocks; 2nd, 4th, 5th Cockerels; 3rd, 4th Hens; 3rd, 4th Pullets; 2nd Old Pen; 2nd Young Pen.

With our large flocks of 22,000 pullets, 10,500 hens, 2,300 cockerels, and 310 cocks, we are in a position to furnish anything you may need in White Leghorns and White Plymouth Rocks. Special prices now for carefully selected birds for exhibition or breeding.

Rancocas Poultry Farms, Box 610 Browns Mills, N. J.



1st Cockerel
Madison Square Garden
1913



1st Pullet
Grand Central Palace
1913

GRAIN PRICES DURING THE FOUR YEARS

YOU WILL BE SURPRISED, READER, AT THIS SHOWING OF FACTS. IT MEANS MUCH TO THE POULTRY BUSINESS, IN ALL BRANCHES, FOR 1914-1915.

Poultrymen during the last four years have been getting used to high prices for grain, with the result that the present "war prices" do not frighten them.

Nor should they, because the present prices are not high enough to alarm any one. They average higher than during 1910, 1911, 1912 and 1913, but we believe readers of A. P. W. will be surprised to learn how small the increase is, all things considered.

Under date September 23, we received a letter from D. Lincoln Orr, the well-known poultryman at Orr's Mills, N. Y., which caused us to look up the grain prices at Buffalo for the last four years, in comparison with present prices. Mr. Orr is in the milling business and has been all his life. We quote as follows from his letter:

"The present grain prices are a mystery. I do not look for low prices, but the prices now are not nearly as high as in 1912. Wheat (New York City rates) then touched \$1.37 per bushel, oats 64½¢ and corn 91 cents. All meats are now higher and I had figured that grain would be, too".

Mr. Orr does not state what time of year it was that these high points were reached, but in the Buffalo market wheat prices were considerably higher in September, 1910, than they were in September, 1912. Following are the Buffalo top prices for high grade wheat, corn and oats, on September 25th, 1910, 1911, 1912 and 1913, as compared with the "war prices" asked in the same market on September 26, 1914:

	Wheat	Corn	Oats
Sept. 25, 1910.....	\$1.19	58½¢	37½¢
Sept. 25, 1911.....	1.14	73½¢	49½¢
Sept. 25, 1912.....	1.08	79½¢	36¼¢
Sept. 25, 1913.....	.95	78¾¢	45¾¢
Sept. 26, 1914.....	1.12	82¢	49½¢

As we have stated elsewhere in these columns, there is nothing for poultry keepers to fear or dread in the present higher prices of American grain, notwithstanding the European war. That war is now two months old, or nearly so, and the chances are that the prices of wheat and oats have now steadied down. At present they are lower by several cents than they were late in August and the forepart of September.

Corn prices are almost certain to come down quite sharply as soon as the two-and-a-quarter-billion bushel crop begins to come into market freely. For example, September corn last Saturday (September 26) was quoted on the Chicago board of trade at 75¾¢ lowest, to 76¾¢ highest, while at the same time December, 1914, corn was quoted at 69½¢ lowest, to 70¾¢ highest.

POULTRY KEEPERS, ALMOST WITHOUT EXCEPTION, CAN EASILY SAVE MORE THAN THE ABOVE DIFFERENCES IN THE COST PRICES OF GRAIN BY MORE JUDICIOUS AND MORE ECONOMIC FEEDING. OF THIS FACT THERE REALLY IS NO ROOM FOR DOUBT. PUT YOUR THINKING CAP ON AND MAKE MONEY BY SAVING IT. THERE IS NO BETTER WAY TO EARN A LEGITIMATE PROFIT.

turn a cold shoulder on poultry culture. By his own acts he destroyed his usefulness in this field, at least in and around Buffalo. The doctor is said to be a good dentist. His old-time Buffalo friends will wish him deserved success in that line of work wherever he may decide to locate.

BIG OPPORTUNITY FOR THE PALACE SHOW IN NEW YORK CITY THIS YEAR

The many loyal friends of Madison Square Garden Show, New York City, will join earnestly with the new secretary-superintendent, Chas. D. Cleveland, in regretting that it was not possible to secure the Garden this coming winter for the usual dates, along about the holidays; but the old saying that "it's an ill wind that blows nobody good" seems to apply in this case in behalf of the rival show, held year after year at the Grand Central Palace, New York City.

Robert Seaman of Jericho, N. Y., is president of the Palace Show organization, and L. D. Howell of Mineola, Long Island, N. Y., is secretary. These same two men have been in charge, occupying the same official positions, ever since the Palace show was brought across the river from Brooklyn, now seven or eight years ago. During the first three or four years they had uphill work, but they proved themselves "stayers" and each year has found the Palace show more popular and on firmer ground, until now its friends are both numerous and influential.

This year the Palace association is going to make extraordinary efforts

and Messrs. Seaman and Howell are counting on and arranging for the biggest and best exhibition ever held in Central Palace. In this connection we find pleasure in quoting from a letter of September 24, received from Secretary Howell:

"In our various exhibits at New York, we have had about twelve hundred separate exhibitors. This year we are making an active campaign for a grand reunion of our old friends and during the past month I have received assurance from more than five hundred of our old exhibitors that they will be back with us this year and the cards are still coming in at the rate of twenty to fifty a day. After the first of October our efforts will be largely toward new exhibitors. We had six hundred and nineteen in all last year and I am

now assured of a very much larger list for 1914".

The dates of the Palace Show are December 1-5 of this year; those of the Garden exhibition are February 12-18, 1915. Mr. Cleveland, of course, did his utmost to secure earlier dates, but it was impossible, unless he went to some other building, which was deemed unwise. Every effort will be made by Mr. Cleveland to hold a successful show as late as the third week of February, and it is confidently believed that a big majority of the regular Madison Square Garden exhibitors will stand by him, regardless of the inconvenience and other drawbacks; but

A BUSINESS OPPORTUNITY!

Robert Essex Incubator Plant For Sale

Entire plant including machinery, stock of incubators, brooders, poultry appliances, poultry remedies, patents, good will of business, etc., will be sold to the highest bidder at 10 a. m.,

OCTOBER 7th, 1914

at their plant, corner of Terrace & Henry Sts., Buffalo, N. Y. Full particulars and information sent on application.

CLARK W. HURD, Trustee, Prudential Bldg., BUFFALO, N. Y.

naturally a good many eastern breeders will feel that they must show and win in time to get the full benefit of advertising, therefore it is certain that the Palace show will profit substantially this season by its earlier dates.

THE "GREATER BUFFALO SHOW" TO BE A FINE ONE NEXT MONTH

Beyond the shadow of a doubt the poultry and pigeon exhibition to be held in Buffalo next month—Thanksgiving week—will be a big success. The men in charge are of a character and standing in the poultry world of the United States and Canada to guarantee this. Following are the names and addresses of the officers and directors:

President, Jas. O. Moore.
Vice-presidents: Hugh A. Rose and J. H. Drevenstedt.
Secretary, Wm. C. Denny.
Treasurer, H. W. Pottle.

Board of Directors: H. W. Alt, Lew H. Bown, Grant M. Curtis, Wm. C. Denny, Robt. H. Essex, C. H. Felthousen, Howard A. Forman, C. A. Hickman, Wm. Hurley, Nicholas Kam, Jas. O. Moore, F. C. Pollard, H. W. Pottle, C. E. Riley, R. H. Sidway, Geo. Urban, Jr., F. Van Aerman and Wm. F. Wendt, Buffalo, N. Y.; John S. Martin, Port Dover, Ont., Can.; Hugh A. Rose, Welland, Ont., Can.

This fall and winter there is to be but the one poultry, pigeon and pet stock show in Buffalo, which will mean a uniting of forces, a larger entry and an increased attendance. The daily papers and the poultry press are "strong" for this show: therefore all who enter birds and win prizes are assured of a fair chance to reach and interest the buying public, both locally and at a distance.

Buffalo has one of the largest and best show halls in the country. This season, in celebration of the one-show program, extra liberal prizes, cash and otherwise, are to be offered and paid. The show in every department will be in competent and reliable hands. Come to Buffalo with your birds next month and be assured of a cordial welcome and an all-round good time. Following is the list of

well-known judges who are to place the ribbons:

H. P. Schwab, Chas. D. Cleveland, James Glasgow, W. H. Card, Richard Oke, Geo. H. Burgott, F. D. Maunder, W. C. Ellison, James Tucker, Wm. McNeil, A. O. Schilling, Wm. O. Jennings, J. H. Drevenstedt, W. M. Anderson, Chas. McClave, Geo. Webb.
For premium lists and full particulars address, Wm. C. Denny, Secretary, 322-23 Electric Bldg., Buffalo, N. Y.

NOW RALLY TO THE SUPPORT OF YOUR LOCAL OR NEARBY POULTRY SHOW

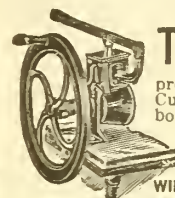
The outlook is such for the poultry business this winter and next spring that every enterprising poultry breeder should now make up his mind to enter some of his choicest specimens at one local or nearby show at least and thus win a string of prizes to be used in advertising vigorously for orders of stock, hatching eggs and day-old chicks.

The selling season will be here again before we realize it and we have not the least doubt that all hustling poultrymen who have a surplus of good breeding stock and of eggs and chicks will do a satisfactory business, provided they are in a position to convince the buying public that they have as good or a little better than the general run of high-class fowls.

After all, what counts most are the prizes won in open competition, under the hands of a disinterested, experienced judge. The birds may look "mighty good to you", but still it is the opinion of an official judge that wins the confidence of the wary buyer. As a rule he wants more than the owner's unsupported estimate of "something that he has for sale". At the poultry show, in competition with the product of your fellow breeder, is the right place, the only right place to get this decision and now is the right time for you, reader, to make up your mind to be among the "winners of the blue" for the season of 1914-1915.

Besides this strictly selfish desire for showing and winning, you owe it to the industry, to the standard-bred branch of the poultry business to go to the trouble and expense of "help-

Dartmoor Dark Cornish Win at Chicago, Dec. 1913, 1-3 cock, 4-5 hen, 1 cockerel, 2 pullet, demonstrating the fact that the Dartmoor line is still a leader among Cornish. A limited number of eggs for disposal. Write your wants.
Dartmoor Yards, C. S. Brent, Prop., Oconomowoc, Wisc.



This BoneCutter

produces filled egg baskets. Cuts fast and easy. Green bone, scraps from table, vegetables, scrap cake. Always ready for use.
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FIRST PRIZE
BUFFALO
1911

FIRST PRIZE
EASTON
1909

Fiske Strain White Leghorns Are Money Makers

To get back to the old, old argument—good birds cost no more to keep than indifferent ones. That they yield more, eggwise and every otherwise, has been proven so often, that anyone who refutes the statement needs to have their "head felt of."

If you want some spring water—the surest way to get it pure is go right to the spring. If you want White Leghorns that are the pure blooded Fiske Strain, that has been gathering in the ribbons wherever shown—then Harlo J. Fiske is the man to buy them of.

Never have my birds been quite so fine or so full of promise. They are selling surprisingly early. What can we do for you right now

HARLO J. FISKE
WHITE LEGHORN FARMS

891-B Westfield Street,
W. Springfield, Mass.



ALDRICH WHITE ORPINGTONS THE STRAIN OF QUALITY

If you wish to raise the most popular breed of chickens in America today, and wish to win at your show, we can supply you with birds of supreme quality. We have proven our quality by winning 157 prizes during the past three seasons at America's leading shows, viz.: Cleveland, Baltimore, Pittsburgh, Allentown, St. Louis, Chicago, Atlanta, Augusta and Madison Square Garden, in competition with birds from thirty states, Canada and England. *Our Customers Have Won* during the past three season at shows in all parts of America and Canada, including Boston, Atlanta, Detroit, Indianapolis, Augusta, Little Rock, Guelph, Vancouver and Winnipeg Canada. We expect an enormous demand this season, so would advise you to book your order early as we only sell to one customer in a class at any show. A small deposit now will reserve you a winner. If you wish to start with the best White Orpingtons write and let us quote you prices.

ALDRICH POULTRY FARM, 4040 N. High St., Columbus, Ohio

ing out" your local or nearby show, doing so in order that it may interest the local public and thus develop new trade and customers near and far. What you are doing tens of thousands of other poultry breeders will be doing also, with the customary result that you, as an advertiser, will receive orders from points hundreds of miles away, while fellow breeders in distant states will ship birds and eggs and chicks into your neighborhood.

Each must do his part—and at the same time preach the gospel of "fine fowls", of standard-bred stock, of the kind "that is good enough to win". The winning is the test! Other advertisers can "sling adjectives" also,—but it takes facts and dates to give actual winnings and that is where the "hot air merchant" is forced to bow himself out—or talk about the weather.

Remember that 1914-1915 is going to be a good poultry season for those who have, and can prove that they have, what the public wants to buy. If you really have the quality, take your choicest birds to the show and bring home the prizes—your share of them. If you need to "strengthen your string", lose no time in doing it; then make your entry and the best of good luck to you. May the "other fellow" wish you had remained away or left your best birds at home.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, ETC.

—of—

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Wm. C. Denny, Buffalo, N. Y.

William C. Denny.

Sworn to and subscribed before me this 29th day of September, 1914.

(seal) E. J. Plumley,
Notary Public,
Erie Co., N. Y.

BRENT'S CORNISH

C. S. Brent, owner Dartmoor Yards, Oconomowoc, Wisconsin, a noted breeder and importer of Cornish fowl, advises that he has decided to dispose of his imported male that won first as cockerel at Chicago last winter.

This bird is said to be a grand good one and should be a valuable acquisition for any one wishing a good imported breeding male. He also has some choice young stock and a few hens to spare. It will be appreciated if A. P. W. is mentioned when writing.

* * * "The Leghorns" is the title of our newest book. Contains just the information that Leghorn breeders desire. Send one dollar for a copy***

RANCOCAS MAKES BIG WIN

At the great New York State Fair, held at Syracuse, N. Y., Aug. 21 to Sept. 5, competition in all classes was exceedingly keen. This was especially so in the S. C. White Leghorn and White Plymouth Rock classes in both of which Rancocas Poultry Farms, Brown's Mills, N. J., made a fine record. In the S. C. White Leghorn class they captured 1-2-5 cock; 3-4-5 hen; 1-3 cockerel; 3-5 pullet; 1 old pen; 1 young pen; \$50 cash special for best display; \$50 cup donated by D. W. Young; cup for best young pen. White Rocks: 1-4-5 cock; 3-4 hen; 2-4-5 cockerel; 3-4 pullet; 2 old pen; 2 young pen.

M. F. Chapman, Mgr., reports that they have a quantity of stock of the same quality for sale having had one of the best seasons in the history of the farm. They also have a beautiful flock of utility birds, that is, bred to lay birds, in each variety and the prices are very moderate.

Readers in need of stock will do well to write them at once as a heavy demand is anticipated. Be sure and mention A. P. W. when writing.

FREDONIA, KANS.

The fourth annual show of the Wilson Co. Poultry and Pet Stock Association will be held at Fredonia, Kansas, November 23-28, 1914. The awards will be placed by E. W. Cook, Easton, Kansas, by the score card system.

Every show held by this association has been very successful and the coming event promises to be one of the best shows in Kansas. In addition to the usual liberal premiums a silver cup will be given on each variety.

The following are the officers: H. E. Bachelder, Pres.; F. H. Church, 1st Vice-Pres., Altoona; Mrs. P. S. Myers, 2nd Vice-Pres.; Karl F. Spellman, secretary-treasurer; W. B. Long, assistant Sec.; J. W. Timmons, Supt.

The premium lists will be ready after October 20th.

PITTSFIELD Pure Bred Money Making Cockerels and Pullets

Barred Rocks

White Rocks

S. C. W. Leghorn

R. I. Reds

25% Below Regular Prices if You Buy NOW

We hatched 300,000 chicks this year. So high did they average that we have 8,000 too many even after the most rigid culling. Till November 1st only you can buy our Barred Rock, White Rock, R. I. Reds, and S. C. White Leghorn Cockerels at

\$7.50 for our regular \$10.00 Superlative Cockerel
\$5.62 for our regular \$7.50 Excellent
\$3.75 for our regular \$5.00 Standard

All are utility stock of the highest type, sons of heavy layers and bred in the original Pittsfield way to produce profit payers. Some are semi-show birds—all are pedigreed and toe-marked. We can mate them to unrelated females. They are wonderfully good birds at wonderfully low prices—but you must order now to get this bargain. Prices positively go up November 1st.

DAY-OLD CHICKS. Order now for delivery next spring. Prices, all breeds, \$5 for 25, \$10 for 50, \$18 for 100. Notice the lower prices on small lots.

FOUR-TO EIGHT-WEEKS-OLD CHICKS. February 1st to July 1st, 4 weeks: \$15 for 25, \$25 for 50, \$50 for 100. 8 weeks: cockerels, \$1; pullets, \$1.50.

For the same reason we are sacrificing prices on cockerels, we offer 1500 S. C. White Leghorn Pullets. They are selected from 3300 pedigreed birds—the big egg strain from which we will supply day-old chicks next spring. You gain a year by ordering now. Nobody ever offered such Leghorn values as these. \$3, \$4 and \$5 pullets for \$2.25, \$3 and \$3.75 each. Special offer of 15 Excellent pullets and a Superlative Cockerel for \$50 net; or 15 Standard Pullets and an Excellent Cockerel for \$35 net; or 15 Superlative Pullets and a Superlative Cockerel for \$60 net.

Besides these price reductions we must sell 1000 hens that we would ordinarily keep another year for our own breeding. Start or renew your breeding pen while prices are so low. Barred and White Rock hens \$2.50, \$3 and \$4 each. 12 hens of either strain mated to a cockerel for \$33, \$41 or \$55.

SURE-TO-WIN SHOW BIRDS

White Pittsfield is strictly a utility strain we raise splendid exhibition birds. This year they are better than ever. The prices are moderate—but you must write early to get the choicest.

The European War and the poor hatches of 1914 mean higher prices for poultry and bigger profits for you. Order early and order plenty.

Write for Our Book, "MONEY MAKING POULTRY."

Every Pittsfield bird is sold on approval, to be returned and money refunded if not satisfactory

PITTSFIELD POULTRY FARMS CO.

276 Main Street, SKOWHEGAN, ME.



BEAVER VALLEY SHOW

Members of the Beaver Valley Poultry Association are getting things in shape for their seventh annual show to be held at Junction Park pavilion, December 9 to 12, 1914. This show has gained an enviable reputation among the fanciers of the country. Not only are all the exhibitors treated fairly and honestly, but all premiums and specials are paid before the close of the show. The prizes given here the past three years exceed those of most shows of this size. Many of the specials are in cash which seem to be appreciated by the exhibitors.

On account of the rapidly growing number of birds exhibited at this show, four judges have been secured to place the awards this year. A. F. Kummer, Butler, is known to fanciers all over the country, having judged at the best shows for several years. F. G. Bean, Collegeville, Pa., is another judge of national reputation and is acknowledged one of the best. W. P. Craig, Pittsburgh, a breeder and exhibitor of Orpingtons and Reds at the largest shows, will pass on these varieties. C. P. Mohr, Freedom, has had several years' experience both in breeding and judging. Exhibitors can rest assured the best bird will win at the Big Beaver Valley Poultry Association show.

The premiums this year will be larger and finer than ever, and so placed that all will have a chance to get their share. Several new features have been added to the premium list, which will be one of the best yet issued.

All breeders intending to show this season, not only for the advertising, but wishing to win prizes to pay them liberally for their time and trouble should not fail to get a copy of this premium list. The books will be issued about November 10 and a postal will bring you one promptly after that date. Address all communications to the secretary, J. Mays Ecoff, Beaver, Penn'a.

ASSOCIATION IS FORMED FOR POULTRY MEN

The Taunton Poultry Association. That is the name of the newest organization to be formed by energetic members of the Taunton Chamber of Commerce and while it is yet an infant, it is already a very strong infant, and one bound to develop rapidly. Already a large number of applications have been received and new members are being added daily.

The decision to organize a poultry association grew out of the successful show of last spring when the need of just such an organization was strongly emphasized. Accordingly a number of the members interested in poultry gathered at the rooms of the Chamber of Commerce and drew up a temporary set of by-laws and elected a temporary executive force.

The officers chosen were: Alfred B. Sproat, president; J. E. Morse, 1st vice-president; C. L. Wheeler, manager; Walter W. Viles of Raynham, secretary, and George Reichenberg, treasurer. The officers set about their work with an enthusiasm that assured success of the association and their efforts to interest poultrymen in the movement have met with excellent results.

It is the purpose of the association to encourage the raising of fancy and utility poultry, to develop a better market for poultry products and to hold an exhibition annually.

Monthly meetings will be held and it is the intention of the officers to have prominent and capable poultrymen address the various meetings, describing the proper methods of housing, incubating, brooding, marketing, caponizing, preparing birds for the show room and other matters of interest to owners.

All residents of Taunton and vicinity are eligible to membership in the organization and that membership will be of the greatest value to poultry owners is assured.

The second annual poultry show will

be conducted under the auspices and direction of the Chamber of Commerce, December 16, 17, 18, 19. Our first show was a gratifying success, both financially and otherwise. It is the plan of the committee in charge to make this second show an even greater success. A larger hall has been secured, practically doubling the cooping capacity, and many novel attractions have been arranged for.

*** Your favorite magazines at reduced prices in our Clubbing Catalogue. Send for copy today ***

Do you know poultry diseases? Can you detect them when they first appear? Do you know what to do to keep them out of your flock?

It is uncontrolled disease that eats up poultry profits; therefore, the man who knows how to fight it is in a good position to become a successful poultryman.

Our **POULTRY BOOK** tells these things in a clear, concise way. It tells you facts you need to know and every poultry owner should have a copy. Send four cents in stamps today and we will gladly mail you yours. Address your letter to our Consultation Dept.

The G. E. CONKEY CO.

1004 Conkey Bldg., Cleveland, Ohio

Cyphers Semi-Mammoth Incubators

MADE in two popular sizes, 1,200 and 1,600 eggs, heated by blue-flame oil stove, by gas or hard coal. Also made in larger sizes to be heated by gas or coal. Are built complete in our factory and shipped in compartments ready to be set up with ease and accuracy by any handy man. Illustrated descriptive circular and price-list to any address on request.



THE CYPHERS SEMI-MAMMOTHS are for the use of poultry plants, egg farms and duck ranches where capacities of 1,200 to 3,600 eggs are needed. They embody numerous patented features of the world-famous **STANDARD CYPHERS INCUBATORS** and will do excellent work in any latitude or section when it is practical to hatch and brood chickens or ducks by natural methods. Are self-regulating and self-ventilating; have double walls and roomy nurseries for newly-hatched chicks or ducklings; do not require heater pit, but stand free on floor of apartment and can be moved about like any small incubator.

Cyphers Regular Mammoths

Range in size from 4,000 eggs upward to any hen-egg or duck-egg capacity that may be required. Have been in successful use by customers four, five and six years, their field of operations reaching from Massachusetts to California and from Canada to the Gulf states. Are an extension of the Cyphers Semi-Mammoth, illustrated herewith, embodying the same patented Cyphers Company principles, but are heated only by gas or hard coal, on account of their large size or capacity. Are built in **UNIT SECTIONS** in our factory. Each section is crated separately, like a Standard, lamp-heated Cyphers and when uncrated is ready to be placed end to end with its mates, thus forming a complete machine. **EACH COMPARTMENT** or egg chamber of both the Cyphers Semi-Mammoths and Cyphers Mammoths, **HAS SEPARATE REGULATION**—a feature the buyer should insist on in selecting a hatching machine of this type and capacity. **WRITE TODAY** for descriptive circular of these latest improved Cyphers Company "wholesale hatchers." Address our nearest branch store, or "Mammoth Department" at our Buffalo offices, thus saving time.

Cyphers Incubator Company Dept. 651 Factory and Home Offices, **Buffalo, N. Y.**

BRANCH STORES AND WAREHOUSES } NEW YORK, N. Y. 41 Barclay St. BOSTON, MASS. 12-14 Canal St. CHICAGO, ILL. 329-331 Plymouth Court KANSAS CITY, MO. 317-319 Southwest Boulevard OAKLAND, CAL. 2127 Broadway LONDON, ENGLAND 121-123 Finsbury Pavement

EDITORIAL NOTES AND COMMENT

WILLIAM C. DENNY
— ASSOCIATE EDITOR —

The many friends of D. V. G. Curtis of Ballston Spa., N. Y., will regret to learn of his death which occurred on September 12th. He was present at this year's New York State Fair where he acted as one of the assistant superintendents. At that time he was apparently in his usual good health, but on his return home was suddenly taken ill, the result of which brought about his untimely death after a few days' confinement to his home.

James T. Lohnes, Valley Falls, N. Y., informs us that he has purchased a number of D. V. G. Curtis's Columbian Wyandotte winners, including those that won at this year's New York State Fair. These birds in addition to his own high class stock places Mr. Lohnes' flock among the foremost of this variety in the country. Mr. Lohnes has a successful experience in producing high class Columbian Wyandottes. Birds of his breeding have won many important prizes at leading eastern shows.

However dissatisfied Wyandotte breeders have been with the Wyandotte illustrations in the present Standard, those who have seen the illustrations for the 1915 edition appear to be more than satisfied with them,—and well they should be for they are about the finest collection of pictures that will appear in that book. The drawings were shown at the Chicago Convention and such breeders as John Martin, Maurice F. Delano, Chas. V. Keeler, Geo. H. Rudy, Louis J. Demberger, Chas. D. Cleveland, D. Lincoln Orr and others present as well as such judges as W. S. Russell, W. C. Pierce and Jas. Tucker, not only approved, but were enthusiastic over them.

At the great Allentown Fair, poultry show, a full report of which will appear in the November A. P. W., Chas. O. Miers, Bangor, Pa., S. C. Brown Leghorn specialist, made six entries and in a strong class won 2 cock; 1-3 hen; 1-2 cockerel; 2 pullet. F. L. Kummer judge. Mr. Miers writes that he has a splendid lot of cockerels and pullets many of them ready to show for sale. We are pleased to recommend Mr. Miers and his stock to A. P. W. readers. We have handled his birds on numerous occasions and cannot

recall a single instance where they did not win a goodly number of prizes.

Among the first of thousands of Canadians who answered the "call to arms" was Colonel J. E. Cohoe of Welland, Ont. Colonel Cohoe is well known to the poultrymen of America and in particular to Canadian breeders. Formerly he was a successful breeder of S. C. White Orpingtons, and a few years ago was one of the very first to become interested and to take up the White Faverolles. Colonel Cohoe recently sailed for England as one of the four Brigade Commanders of the first contingent of Canadian troops, consisting of nearly 33,000 men. These troops recently sailed from the Canadian mobilization camp at Valcartier, in a fleet of 28 ships that included such well known ocean liners as the Lusitania, Mauritania and the Olympic.

American birds for American shows will have to be the rule during the present show season. In former years, it has been the custom for a large number of breeders and exhibitors in the United States and Canada to import both exhibition and breeding stock from England. Also, during the past ten years on numerous occasions a number of English poultry breeders have made large entries at American shows. As a result a large number of prizes have been won each year by birds grown on English soil. This year because of the European war the English Government has recently placed an embargo against the exporting of all live stock from the United Kingdom. Presumably this was done on a basis that the horses were to be used for the war and that the cattle, sheep, swine and poultry would be needed to help feed the people. This embargo will not only effect the exporting of stock to the United States, but to Australia, South Africa, Russia and Germany, countries from which English live stock breeders have received a very large volume of trade.

F. M. Prescott, proprietor of Riverdale Poultry Farm, Riverdale, N. J., was a recent welcome visitor to A. P. W. offices. Mr. Prescott breeds several varieties including Light and Dark Brahmas, Single and R. C. Rhode Island Reds, Barred Rocks,

White Wyandottes and S. C. Brown and White Leghorns. In speaking of the prospects for the coming season's business, Mr. Prescott stated that he was receiving the usual number of inquiries and that the demand for exhibition stock was unusually good. Mr. Prescott stated in particular that if the call for Light Brahmas and White Wyandottes continued, his surplus of these breeds would soon be disposed of. There can be no doubt that these two sterling races of poultry are again becoming popular with the poultrymen of the United States and Canada, both have merit as breeds that present interesting problems for the fancier to solve in perfecting shape and color as well as being good general purpose fowls.

Elsewhere in this number will be found a list of the 1914-15 judging engagements of licensed A. P. A. judges. It furnishes food for reflection indicating as it does that an unusual number of poultry exhibitions have been arranged for this season. We do not know how many poultry shows are held each year, but including those in connection with the fall fairs, there must be upwards of two thousand. These exhibitions are the biggest advertising agents of the poultry business. We have often questioned whether the poultry breeders themselves realized the importance and value of the poultry shows, for if so we believe they would patronize them more generously. In our opinion it is the duty of every poultryman to at least patronize his local show and then as many more as his time and finances will permit, or as many as the needs of his poultry business requires. We wish each reader of A. P. W. would resolve to enter his or her best at at least one show during the coming season. It will not only be doing the poultry business a good turn, but each one will be benefiting him or herself by sharing in the increased business that is certain to result.

Judges in placing the awards at the coming season's shows should not fail to give full consideration to the weight of every specimen. Under the score card system this is always done, but as most of the shows are now being judged by the comparison system, weight is too often overlooked or ignored. In such breeds as have



CLEVELAND OHIO, FOREST CITY SHOW

Fashion Plate Buff Orpingtons Win Three Firsts, Two Seconds, Display and minor places, all our birds get a ribbon except two. Six Fashion Plate Pullets laid 331 eggs in March and April 1914, over 90 percent production, 100 percent for 39 days. Townsends Experimental Plant, Weedsport, N. Y.

BUY INTO THE STRAIN THAT WINS WHEN BRED TO LAY

2500 birds in broken assortment. Get the Fashion Plate Book free and be convinced where to purchase. Eggs half price until December first.

A. E. MARTZ & SON, Buff Orpington Specialists,

Box E,

ARCADIA, IND.

weight clauses, weight is allowed so many of the 100 points that a perfect specimen would score. There is also a disqualification clause that provides for the elimination of a specimen excepting Asiatics, if it falls two pounds below standard. This section of the Standard has really become a dead letter with many of the judges in comparison shows. It is not so long ago that a 3½ lb. Plymouth Rock pullet won at a prominent show. On the other hand we have seen Plymouth Rock hens that weighed ten pounds, and Rhode Island Red pullets weighing eight pounds successful in winning prizes. If judges are going to be careless and continue to overlook Standard weight poultry associations should protect exhibitors and put a check on the judges by having all birds weighed. Standard weights have been established for different breeds to preserve the general purpose features including laying, maturity, etc., as well as for the reason that the breed type that is most beautiful when a fowl is in good condition, and not overfat, would weigh as many pounds as the Standard calls for.

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Announcement comes to us from Frank E. Hering, proprietor of Wilhows Poultry Farm, South Bend, Ind., of the following winnings on S. C. White Leghorns at the Great Illinois State Fair, held at Springfield, September 21-26. In unusually strong classes his entries won 1-2-4 cocks; 1-2-3-4-5 hen; 3-4 cockerel; 4 pullet; 1-2 old pen; 1-3 young pen, and among the specials was that for sweepstake champion. Mr. Hering also breeds Silver Campines. Many A. P. W. readers will remember his splendid win on this variety at the last Chicago Coliseum show. Campine experts attending that exhibition declared that Mr. Hering's winning cockerels were among the season's best productions of this variety. Though offered long prices for his winners, Mr. Hering refused to part with his birds declaring that he intended using them in this year's breeding yards.

In a recent letter speaking of his breeding results for the season, Mr. Hering writes:

"I have a cockerel hatched in January that is wonderfully fine. Every feather of his tail is barred to the very end, both the sickle feathers and all the main tail feathers. I consider this cockerel has a tail at least 100 per cent. better than the Chicago winner of last year. Will you kindly show this letter to Mr. Schilling? I know it will please him to find that his prophesy of what could be done with the proper matings of Campines has come true".

Mr. Hering informs us that he has a large stock of both Silver Campines and S. C. White Leghorns on hand. Many of these birds are ready for the early winter shows. He will be

pleased to send description and full particulars to interested persons.

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The following letter from M. L. Chapman, Rancocas Poultry Farm, offers suggestions that may be of interest to A. P. W. readers:

Brown's Mills, N. J., Sept. 21, 1914.

Mr. Wm. C. Denny,
Buffalo, N. Y.:

"Dear Sir:—Dr. Thos. J. Clemens, the well-known White Leghorn breeder and writer on poultry subjects, recently visited Rancocas Poultry Farm, and upon his return wrote us as follows:

"I was very much impressed while visiting your farm some days since, with the merits of the White Leghorn cock-bird that headed your first prize pen Boston, 1913. This male is just what I have wished I might have to mate with two choice hens that I value very highly. My first idea was to ask you if you would part with this bird. I did not speak to you about it at the time, but later another plan came to my mind, which, after some consideration, I am going to propose to you.

This plan is as follows: Why could not I send these two hens to Rancocas Poultry Farm, you arranging to give them a separate pen, and mate them with this particular bird. After they have been with this male bird for say about two weeks, you can send me the eggs, say every five days. I realize that it is out of the regular season for raising chicks, which makes it seem more likely that you will favorably consider this plan. Kindly let me hear from you at your early convenience."

"Like most all new things this did not impress me very favorably at first. On second thought, however, it seemed that this plan might open up a new phase of poultry endeavor. As you know, when the owner of a mare breeds her to a certain sire the progeny is considered to have been bred by the owner of the mare, and if the offspring should become a noted one the credit for such mating is given to the owner of the dam. It seems to me that such a plan could be profitably used with high-class poultry.

"There is quite a considerable sea-

son of the year, as the business is at present conducted, that the winning birds at some of the large shows are not being used. It is possible to raise chickens practically as well at one time of the year as at another if you are prepared to give them the attention and housing that is required. Also, it might enable breeders to carry

Quality Buff Rocks

EGGS AND FOWLS

W. J. Wiberley, Peekskill, N.Y.

Bean's Columbian Rocks Win

I can furnish your requirements in exhibition birds or breeding stock at prices that will astonish you. Write for descriptive circular.
F. G. BEAN, COLLEGEVILLE, PENNA.

FAIR VIEW WHITE ROCKS

Prominent winners east and west. Great summer sale now on. Write today.
GUY DAILY, Box G. JEFFERSONVILLE, IND

A MILLION HENS USE

WELLCOME'S FAMOUS



TRAP NEST

Shows Which Hen Laid The Egg.
New Principle 100 Per Cent. Efficient
F. O. Wellcome, Box W, Yarmouth, Me.
Write NOW for prices and proof.

SIMPLEX GUARANTEED

Automatic 8-qt. Feeder, \$1. 50-Chick Hover, \$3
These are only two of our many bargains. Ask your dealer about them, or take advantage of special offer below and find out how good Simplex appliances really are.

The Leg Band for Your Chickens
50 for 25c
Any Size
No. 1 to 50

We want you to get acquainted with our useful poultry appliances and for this reason we are offering 50 self-locking rust-proof leg bands—embossed numbers, 1 to 50, at the special price of 25 cents. Postpaid. State variety you breed when ordering.

SIMPLEX SUPPLY HOUSE Pontiac Bldg. CHICAGO
SEND FOR COMPLETE CATALOGUE—WE SAVE YOU MONEY

PARTRIDGE ROCKS

AMERICA'S PROVEN CHAMPIONS

The best breeding stock and greatest winners always for sale. Eggs in season.

BIRD BROS.

Box 14,

MEYERSDALE, PA.

PRINCESS REDS AGAIN TO THE FRONT

At the New York State Fair our Rose Combs win on Cock, Cockerels and Old Pen. Our Single Comb Pullet wins special for the best marked wing Pullet in the show. This in the largest and best class of Reds ever shown at the New York State Fair.

WADSWORTH & CASTOR.

Red-W-Farm.

WOLCOTT, N. Y.

YOU MUST COME TO US FOR QUALITY IN

SILVER AND GOLDEN CAMPINES AND BLACK LANGSHANS

Our State Fair record of 5 firsts, 2 seconds, 1 third, 1 fourth, 1 fifth proves it. (Look up the report in this issue). We are prepared to share the quality with you. Let us know your needs. Write today and let's get acquainted.

McDONOUGH & BIDWELL,

Box W,

NEWARK, N. Y.



1000 Eggs Per Hen

\$7.16 profit per hen is made by Director Tom Quisenberry of the Missouri State Experiment Station. Learn How to Get Winter Eggs: 1 winter egg is worth 3 summer eggs.

\$1 Starts You—Begin Now

Valuable book, "Dollars and Sense in the Poultry Business." FREE—Write for it.
The American School of Poultry Husbandry, Box 56, Mountain Grove, Mo.



DARK CORNISH GET THE COIN

DR. W. A. LOW, Importer and Breeder,

Low's "Ideal" Dark Cornish are winners and will win for you Choice exhibition cockerels and pullets, massive, low built, heavy boned birds. Fully matured and fit for keen competition. Write your wants.

CATONSVILLE, MD.

more males over the summer, particularly sons of those that have won at either the New York or Boston shows. These might be used along the lines above indicated. It would not entail any very great expense to construct a house suitable for the mating of one or two females separately with a male. Breeders throughout the country could send their choice hens to the breeders that own the very best males, it being understood that none but approved hens, known to be perfectly healthy, would be accepted, and that all fowls must be properly leg-banded for identification.

We are writing Dr. Clemens to send us the two hens to see how the plan works out in his case. In the meantime, it seems to me that this idea might be of some interest to you and the poultry public. You might like to open your columns for discussion of the pros and cons of this plan.

Yours truly,

M. L. Chapman.

How often it is that poultrymen attending poultry exhibitions or while visiting plants of other breeders will find a male that he desires to purchase for breeding purposes, because he believes that if mated to some of his choicest females will enable him to improve his stock and gain a lap on his competitors. The owner of the male however, values him for his prize record or because he needs him to carry out his breeding plans and will not dispose of him for any reasonable money consideration. If the plan suggested by Mr. Chapman's correspondence were carried out, it would enable him to send his choicest females to the owner of the male bird who for a reasonable fee would keep them during the breeding season and breed them with the male bird in question. As the eggs were produced they could be sent every four or six days by parcel post to the owner of the hens. This plan may never be extensively practiced, but certainly it offers an opportunity to those who are often unable to obtain just the male they want for breeding purposes.

Perhaps some of our readers have already tried this plan and if so we hope that they will give us the results of their experience.

AMERICAN BUFF WYANDOTTE CLUB MAIL ELECTION

The mail election for officers of the American Buff Wyandotte Club, resulted as follows: President, W. G. Marshall, Cleveland, Ohio; Eastern vice-president, C. E. Coffin, Providence, Rhode Island; central vice-president, F. L. Waterman, Barrington, Ill.; western vice-president, S. A. Power, Fairfield, Iowa; southern vice-president, W. Lee Springs, Winston-Salem, N. C.; Canadian vice-president, E. R. Durand, 91 Erskine Ave., Toronto, Ont.; secretary-treasurer, J. E. Willmarth, Amityville, N. Y.

Above seven officers constitute the Club Executive Committee. They take office October 1st, for one year. Cleveland, Ohio, was selected as place

for annual meeting. This club claims that its members derive more benefits from membership than do members of any other specialty club. For further information address the Secretary, J. E. Willmarth, Amityville, N. Y.

MONEY MAKERS

There is no denying the fact that there is money in poultry when properly handled. It is also a fact that the popular White Leghorn is recognized as one of the leading money makers. They have not only taken a strong grip on the fancy but they are also accorded the honors as a commercial proposition. Their ability to produce large numbers of chalk white eggs that command the top prices in our leading markets have made them a favorite on commercial farms.

When one contemplates entering the industry he or she should have in mind that it costs no more to keep good ones than ordinary stock. Of course the original cost may be a trifle more, but the satisfaction in owning a fine flock is worth the difference.

Harlo J. Fiske, 891-B Westfield St., W. Springfield, Mass., is offering readers of A. P. W. an opportunity to purchase some of his famous strain and as they not only have a reputation of winning the coveted ribbons in our leading shows but also as egg producers it is worth one's while to investigate and get his prices. He can supply both old and young stock of either sex and will give his personal attention to all communications.

300 WHITE LEGHORN PULLETS

Prospects are that prices for eggs will reach a new high mark this winter, therefore all in position to keep a few extra layers should do so, as they are bound to pay a good dividend, that is, show a good profit. LeRoy E. Sands, specialist in heavy laying White Leghorns, Hawley, Pa., advises that he has about 300 pullets that he can not supply housing accommodations for this winter, therefore is forced to dispose of them. They will be sold in quantities to suit purchasers, at prices that will make their possession an object to prospective buyers. As there is a shortage of laying stock this year these birds should be snapped up quick. Therefore, dear readers, if you want a few of them you better write today and be sure and mention A. P. W.

MILLER'S SPANISH

Readers interested in a unique, attractive and profitable breed of fowls should write Frank Miller, Crestline, Ohio, for his circular on White Faced Black Spanish. This is one of the oldest breeds of fowl and they possess many good qualities that have been overlooked in the mad rush for new breeds and varieties. Better write Mr. Miller today and don't fail to mention A. P. W.

*** "The Orpingtons." All varieties fully described in this complete and attractive book. Seventy-five cents secures a copy ***

CHAMPION ROSE COMB BLACK MINORCAS

Winners of the Blue at New York, Scranton, Chicago, Toronto and London. We offer all old stock for sale after June first. Write for prices they will surprise you. Eggs half price after May 20.

R. SWARTOUT,

R-2.

CAINSVILLE, ONT., CANADA

BARGAINS IN S. C. R. I. REDS One and two year old hens \$2.00, \$3.00 and \$5.00 each. Breeding pens of 4 females and one male \$15.00 and \$25.00. Some blood lines of my Madison Square Garden winners. Order early.
H. P. DEMING,

ROBERTSVILLE, CONN.

TO INSURE THE EGG SUPPLY

As the cold weather approaches and the opportunity for the fowls to gather bugs and worms on the range is removed it is necessary that we arrange to substitute some form of animal food in their place. From long experience, poultry raisers have learned that nothing surpasses green cut bone for this purpose.

As a supply of this food is not always available it stands the poultry raiser in hand to arrange to prepare his own supply. This may be done by procuring a bone cutter as the market man will be glad to furnish the rough bones.

A machine of this kind that has filled the bill for many years is the one manufactured by Wilson Bros., Box 204, Easton, Pa., and readers of A. P. W. who wish to make sure of a good supply of eggs while prices are high should write them today for further information and prices.

Huston's "Ideal" Barred Plymouth Rocks are proving their ability to win at Poultry Shows all over this broad land. Look up their new records made this year at Hagerstown, Md., Allentown, Pa., Williamsport, Pa., and Harrisburg, Pa. I can sell you breeding cockerels at \$3 to \$10, females at \$2 to \$5. Write me.
JAMES T. HUSTON, Box L, WILLIAMSPORT, PA.

HOWLAND'S BUFF WYANDOTTES

Win at Madison Square Garden, 1911-12-13. Eggs from 4 choicest pens \$5.00 per 15 eggs. Satisfaction guaranteed.

STUART A. HOWLAND, GRANVILLE, N. Y.

Turner's Rose Comb Buff Leghorns

Blue Ribbon winners at large shows, 3 Grand Pens. Send for mating list. Eggs and Stock. Best R. C. Buff Leghorns in New England. Satisfaction Guaranteed.
EDWARD J. TURNER, Box E, SPRINGVALE, ME.



THE CAPITAL BAND

Is adjustable—Has raised figures 12 for 15c. 25-25c. 50-40c. 100-65c.
CHAS. L. STILES
232-M N. 3rd St. COLUMBUS, OHIO

DUTTON'S R. and S. C. RHODE ISLAND REDS

I will have 300 Reds to sell next December and January, bred from my New York and Buffalo winners, the finest lot I ever raised.
E. M. DUTTON, NEWFANE, N. Y.

DICTOGRAPH

POULTRY FARM AGAIN WINNER

At New York State Fair, 1914, in a very hot class we won;

- 1st White Favorolle Cock.
- 1st White Favorolle Pullet.
- 1st White Favorolle Cockerel.
- 1st White Favorolle Young Pen.
- 2nd White Favorolle Old Pen.
- 3rd White Favorolle Hen.
- 3rd S. C. White Leghorn Old Pen.
- 4th S. C. White Leghorn Young Pen.

Get the winning strain. Costs no more and pays best. Booking egg orders for next season.

STOCK FOR SALE

DICTOGRAPH POULTRY FARM

K. W. TURNER, Owner, WEST NYACK, N. Y.

ROSE'S ORPINGTONS

Have demonstrated their unequalled exhibition quality by winning the premier honors in such shows as Madison Square Garden, Boston, Chicago, Pittsburgh, etc. We have satisfied customers year after year with this same quality. This year having raised the finest flock of youngsters we ever owned, we are in a better position than ever before to send you the quality that will place you among the winners at any show. Now booking orders for future delivery for selected early hatched cockerels and pullets from this noted strain of "Hardy Canadian Bred" Buff and Black Orpingtons. A few choice breeders still remain to be disposed of at summer prices. Write today for my great summer sales list and if you have not received your copy of my beautiful catalogue it's yours for the asking.

HUGH A. ROSE,

BUFFS AND BLACKS

FONTHILL, ONT., CANADA

POULTRY RAISING IN LOUISIANA

To AMERICAN POULTRY WORLD readers who have read Mr. Mapes' articles in past issues, also the exception taken by Mr. Lynch to some of Mr. Mapes' statements the following experience of S. S. Senne, Homer, La., will undoubtedly prove of interest. Writing under date of September 19, 1914, Mr. Senne states:

I started with ordinary chickens and an incubator, with, I judge, average success, comparing my experience with those which I read about in various papers. I now have nothing but Cook & Kelledstrass White Orpingtons, having about 100 head of old and young at the present time, with some very fine specimens. I use Philo system for young chicks until they are partridge size, then give them, you might say, free range until they are ready to lay, in a large lot, where they have plenty of room, using an entirely open front house, which is sufficient for this climate, both summer and winter. Feed scratch feed of wheat, corn, chop and oats; also keep purina mash, as well as well as wheat bran, before them all the time; keep charcoal, crushed shell and grit in wall retainers where the chickens of all ages can get to them freely.

I can house 500 chickens with less money than I can 10 head of cattle. Where Mr. Lynch got his idea that he could build a comfortable barn for \$75 for 11 cows, I am unable to imagine. A few years ago I built a barn sufficient to take care of 8 head of cows and two horses, that cost me \$500. There was nothing fancy about it either. The same barn would cost considerable more today. In this climate cattle need very little housing, notwithstanding I have two cows and one calf, and the housing for them cost approximately \$150. S. S. Senne.

BYERS' ORPINGTONS

Orpington fanciers should not overlook the advertising of C. S. Byers, Hazlerigg, Ind., on page 860 this issue. Mr. Byers has been making a specialty of the Orpingtons for the past fifteen years, and as he puts it, "you can ill afford to ignore my ability to now serve you liberally in the finest exhibition birds, or the best possible layers in utility stock". It is reasonable to suppose that a breeder of such long experience with one breed would be in position to supply birds of quality for any purpose. Interested readers should write him today and mention A. P. W.

PITTSFIELD COCKERELS AND PULLETS

Attention is directed to the announcement of Pittsfield Poultry Farms, 276 Main St., Skowhegan, Me., on page 866 this issue. This farm breeds heavy laying Brown and White Rocks, S. C.

White Leghorns and Rhode Island Reds, and they announce that after rigid culling they have over 8000 head of cockerels and pullets for disposal. These are divided into three classes, viz: standard, excellent and superlative, and are priced accordingly. The cockerels range from \$3.75 to \$7.50, and the pullets from \$2.25 to \$3.75 each. They will also mate pens of fifteen females and one male at prices ranging from \$35 to \$60 per pen. Besides the above they have 1,000 old hens of their famous laying quality that may be had singly or in quantities to suit the purchaser. With the present prospects of higher prices later on it would be a good plan to order a supply at once, or at least send for their free booklet, "Money Making Poultry".

EXHIBITION COOPS

On page 880 will be found the announcement of the United Steel and Wire Co., Dept. C, Battle Creek Mich. This company has placed a new exhibition coop on the market for which they make the following claims: Made entirely of heavy galvanized steel wire, all joints electrically welded. A model in appearance and may be collapsed or packed for shipment in one second's time. As we understand it these coops are made singly or in sections, thus making the needs of the breeder who desires a coop to train exhibition birds in. For sizes and prices you had better write today for their free catalogue and in doing so it will be appreciated if A. P. W. is mentioned.

The fresh egg beats to a froth easier than a stale one. It takes a longer time to boil a fresh egg than it does a stale one. The fresh egg when boiled will stick to the shell, while one a few days old will peel off smoothly. The stale egg is not so heavy as the fresh one, and the shell becomes shiny smooth, from the oil that exudes by evaporation.

An aggravating state of affairs and a habit hard to get rid of, is feather

eating among fowls. Absence of sufficient animal food and too close quarters, seemingly, are the direct causes of feather eating. A method popular among the French for suring this habit is common sulphur, which, however, should not be fed in wet weather. Feed the sulphur in mash. Some trim the upper and lower bill, so when biting the feather the fowl will be unable to retain a hold and the feather slips through.

*** Reds! Reds! Reds! Our new book "The Rhode Island Reds" is the most complete and authentic treatise on this breed ever published. Send seventy-five cents and secure a copy ***

IVES' LANGSHANS "A GOOD STRAIN OF A GOOD BREED"

Consistent winners at the largest shows for many years. Elegant big COCKEREL S NOW at very reasonable prices. PAUL B. IVES, "Bonnycroft" GUILFORD, CONN.

ACME WHITE WYANDOTTES

Are bred for merit. Sold on honor. They win; they lay. Trap-nest used 365 days in the year. A trial convinces.

J. HARRY WOLSIEFFER, R.F.D. No. 5, VINELAND, N.J.

R. C. Black Minorcas Exclusively

WINNERS at all leading shows in America. Have won more 1st and 2nd at Madison Square Garden than any other exhibitor or breeder. Show and breeding stock for sale. Mention A. P. W. T. A. McKITTRICK, Hudson, N. Y.

W. J. Caines, Box 64, Richmond, Va. SPECIALTY JUDGE

All varieties of CORNISH and GAMES. Correspondence Solicited.

S. C. WHITE LEGHORNS The kind that Win, Lav, Pay. A choice lot of breeding stock for sale, prices on application. Fine lot of early birds growing into layers and winners. Write your wants.

WILLOW BROOK POULTRY YARDS C. E. Pemble, Prop., R. 4, PEORIA, ILL.

POLEY BUFF ROCKS

300 Breeders at reduced prices for sale. Get catalogue and price list of same.

JOHN W. POLEY,

Box W,

LINFIELD, PA.

MERIHEW'S BUFF LEGHORNS

The 20th Century Egg Producers. Make another great win at Madison Square Garden. Dec, 1913. Utility Breeders, Show Birds and Eggs for sale. Write for mating list then be your own judge who has the best.

L. E. MERIHEW,

MARATHON, N. Y.

EVERGOLD BUFF DOTTES

Elegant illustrated catalog giving our methods of feeding and breeding Buff Wyandottes, only 20 cents. Price list and mating list free

ROCKY RUN FARMS,

Box 40,

NORTHFIELD, OHIO

W. G. MARSHALL, Prop.

GERALD WILLIAMS, Mgr. Poultry Dept.

Two Thousand Choice White Leghorn Pullets

The poultry crop is short and if you want pullets now is the time to place your order.

PULLETS. Three Classes Guaranteed To Lay

In September or Before. In October or Before. In November or Before.

This is the first time we have offered any such number of pullets to the public. Book your order now if you wish to get the birds in the laying houses on time. Our guarantee is back of these pullets and we have a farm with a reputation.

SUNNY BROOK FARM,

By Chas. D. Cleveland,

Box W,

EATONTON, N. J.

"SENSATION"

and RED PRINCE Strains of Rose and Single Comb Reds

Winners of 186 prizes at New York, Boston, and Providence, since December, 1909; including 31 firsts, \$50 cup for Display, Boston, 1912; Display, New York, 1912-13, and State Cup for Display for six successive years at Providence, R. I.

SHOW BIRDS fit to win anywhere. Book orders at once and get first choice. Bargains in breeding stock after August 1st. Eggs at all seasons. Stamp for Mating and Price List.

RED FEATHER FARM, F. W. C. Almy, Prop. and Mgr., Box 22, Tiverton 4 Corners, R. I.

INDIAN RUNNER DUCKS IN GERMANY

ENGLISH PENCILED RUNNERS OF THE PRESENT, SUCH IN NAME ONLY. ORIGINAL TYPE WAS DISTINGUISHED BY UPRIGHT CARRIAGE, SLENDER AND ROUND BODIES, COLOR AND MARKINGS BEING SECONDARY CONSIDERATIONS IN THOSE DAYS

BY DR. PAUL TRUEBENBACH

[EDITOR'S NOTE.—The following extracts were taken and translated from a most interesting and valuable article written by Dr. Truebenbach, editor of "Gefluegel Welt", the leading poultry, pigeon and pet stock publication in Germany. This journal is published twice a week—an unique feature in the poultry journal publishing business—with highly illustrated special number supplement's at quarterly intervals. Some of the points brought out by Dr. Truebenbach regarding the true color and correct type of Indian Runners will be read with interest and profit by American breeders of this now most popular breed of Ducks.

The Indian Runner with its ceaseless activity is typical of our modern times. Its great practical value has been the cause of its quick popularity. This is the age of the merchant and not of the philosopher. In my opinion the fancy reached its highest standard in the seventies and eighties of the last century, when so many of our prominent men were interested in it. The majority of breeders want breeds that will lay an egg every day, with a possible two on Sundays. The birds win their popularity by way of the stomach and pocketbook, and if it were not for the breeders of fancy fowl our exhibitions would be uninteresting indeed, losing their main object, that of appealing to the eye.

ENGLISH INDIAN RUNNERS SUCH ONLY IN NAME

At last year's Crystal Palace show I met one of the prominent breeders of Indian Runner ducks and his opinion may be of interest to my readers. This gentleman stated after commenting on the graceful carriage and trim shape of the original birds, that the present Indian Runner has little more in common with them than the name. This was news to me. The illustrations that had appeared in the poultry papers had led me to believe that the original birds were a kind of caricature compared with our modern exhibition birds.

ORIGINAL TYPE DISTINGUISHED BY UPRIGHT CARRIAGE

The original birds are said to have distinguished themselves by their upright carriage and their slender and round bodies. Color and markings were a secondary consideration in those days. The head should be carried almost at right angles with the neck. There must be no indications of shoulders. The line from the neck to the body must show no more curves than a Rhine wine bottle. (I can find no better illustration), not like a beer bottle with a narrow neck and broad body, which goes to show that Pekin and Rouen ducks are the very opposite in shape to what a good Indian Runner should be. The body should always appear narrow and round, no matter from which side we look at it. While the back should be slightly curved, the line from the back to the tail should be almost straight and the tail itself must not be turned up.

FEW FAULTS AND MANY GOOD QUALITIES

The Indian Runner has few faults any many good qualities. Where they can run at large they require practically no feeding. They are splendid foragers. As regards housing, the only requirement is a dry place, otherwise their demands are moderate. One would hardly risk letting valuable exhibition birds run at large, but if they are confined, they must have a little puddle of water in which to clean their plumage and exercise. The young birds are easily raised and can be allowed to go into the water at once. In hot weather they should not be without water until they are feathered, and it will be necessary to look out for vermin, especially in warm weather, after that they will require little attention.

There is no doubt that the Indian Runner will become one of the most popular ducks, not because of its weight (heavy weight is not compatible with running) nor because of its table qualities, but because it is so easy to raise, is such a good forager and such a prolific layer.

BLACK INDIAN RUNNER DUCKS

In the same issue of "Gefluegel Welt", E. Chur writes of Black Indian Runners as follows:

"About five years ago a prominent fancier suggested that it would be a good plan to produce a Black Indian Runner and not to wait until such a variety was brought to us from the other side of the 'duck pond'. The first object of course was to look out for typical shape. I selected one of the best white ducks for a cross with an East Indian drake. The result was satisfactory as far as color was concerned, but shape and carriage were not so good. By careful line breeding and selection it was possible in three years to produce a duck that took second prize in competition with fawn colored and white specimens.

The color of the Black Runners should be pure, lustrous black with a greenish sheen. To obtain this it becomes necessary to sacrifice the yellow in beak and legs. It is argued that lustrous black plumage and yellow legs and beaks are found in the Black Wyandottes, but the color production as regards land and water fowls is very different. To illustrate: The first cross of black drake and white duck produces almost all black birds. The cross of a black and



1st Pullet N. Dak. State Fair, 1914

Big Profits this winter—eggs and poultry will be higher than ever before. Buy your laying and breeding stock now, for such stock will be high and scarce before spring. We raised nearly 10,000 birds this year, but they are going fast because prices are reasonable and quality is excellent—However we still have several hundred pullets and hens and many cocks and cockerels for early buyers. Better write now while our stock is complete and we can supply exactly the type of bird you want.

Trapnested to lay 160 eggs or more a year. Every Ferris Leghorn is bred to lay—even our best exhibition birds must have records of 160 eggs before we breed from them. For 14 years our principal object has been to produce heavy layers. Today Ferris Leghorns are known the world over as egg machines, and they lay as well in winter as most breeds do in the spring.

Winners Last season's record of 35 first and 41 second prizes at 13 big shows proves conclusively that Ferris Leghorns have no superiors from an exhibition standpoint. This season they started out by winning every first and second at the recent North Dakota State Fair and the W. Michigan State Fair. Watch our winnings this fall and winter. For a complete list of last seasons prizes see our free catalog. If you want winners for your show we have them—and the prices are right.

Prices—good utility stock—hens and early pullets \$2.50 each; cocks and cockerels \$5.00 each. Best laying-breeding stock \$3.50 each for hens and pullets; \$7.00 for cocks and cockerels. Good exhibition-breeding stock \$5.00 for females, \$10 for males. Exhibition stock \$7.50 and up for choice hens and pullets, \$15 and up for males. Pure white, large, long bodied, with good head points, low, well carried tails and typical shape in all sections, these birds will win in any competition. Look at our catalog and see the prizes our customers are winning every year.

Guarantee Satisfaction or money back. Return birds at our expense if not satisfactory and money will be refunded. All stock insured for 30 days. We stand all the risk of change of climate and REPLACE FREE every bird that dies or gets out of condition. Before you buy, find out whether any other breeder will do this for you. Our success depends upon yours, and we do everything possible to help you succeed.

14 YEARS of careful breeding and square dealing are back of Ferris Leghorns. Better layers and better exhibition birds every year; this year's birds so good their quality will surprise you. Line-bred so many years, their good qualities are bred in the bone and make your success assured.

80 Page Catalog tells the whole story—it's free Testimonials from every state; complete description of our plant and methods, how we developed laying and exhibition qualities, views of farm and stock, exact descriptions of the birds we sell at various prices, and all the information you will want to know before buying. If you need stock now, or eggs or chicks next spring, write us. We will be glad to quote prices and give all possible information.

GEORGE B. FERRIS, Mgr.

Ferris Leghorn Farm,

908 North Union,

GRAND RAPIDS, MICH.

white hen produces many mottled birds. For this reason it would not be advisable to use the fawn colored variety, as the result would be birds with more or less brown and which it would take years to eliminate.

Breeders of Indian Runners have agreed on a medium sized bird for their standard, because a large bird lacks trimness.

QUALITY OF EGGS DETERMINED WITHOUT BREAKING SHELL

Few consumers appreciate the fact that the quality of an egg can be accurately determined without breaking the shell. The process of candling eggs is not difficult and with the view of encouraging consumers generally in the art and practice of candling, the Poultry Division of the Live Stock Branch of the Dominion Department of Agriculture is distributing gratuitously throughout the country in the same manner as bulletins are distributed, simple convenient cardboard egg candling appliances. These may be obtained upon request to the Live Stock Commissioner, Ottawa.

It is not generally known that an egg appears semi-transparent when held before the light in a darkened room and that, if carefully rotated, even minor defects may be seen. Pamphlets dealing with this matter have been prepared, and illustrations included showing in detail the characteristic appearance of both good and bad eggs when being candled.

The contents of an egg, when laid, completely fill the shell, but as cooling takes place contraction occurs and an air space is formed in the large end. The yolk is only slightly perceptible and readily turns round in the albumen when the egg is rotated.

A stale or shrunken egg may be detected by the size of the air cell. A bad egg is easily recognized through the contents having become dark and opaque. The size of the air cell, the consistency of the albumen, the color and mobility of the yolk and the general transparency of the whole egg are the factors most generally recognized as determining quality.

The candling of eggs is not a difficult process. It requires but little skill to tell at a glance the difference between good and bad eggs and anyone with practice can learn to differentiate between the various grades of good eggs.

The appliances mentioned above are of two different types, one suitable for use with the kerosene lamp and one suitable for use with the electric light. Neither the small amount of trouble required to secure one of these appliances nor the amount of labor entailed in candling presents any valid reason why the public should be obliged to use or accept bad or incubated eggs. Store-keepers will find it to their advantage to acquire facility in candling and it is recommended that every housewife should provide herself with one of these simple candling appliances, by the diligent use of which she may safeguard her family from many un-



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.



1st Prize Cockerel, Madison Square Garden, December, 1911.

OPENING BATTLE

Of 1914 Season Won at
NEW YORK STATE FAIR

BY

OWEN FARMS BIRDS

12 out of a possible 24 Firsts and 9 Seconds were placed on my

WHITE PLYMOUTH ROCKS

WHITE ORPINGTONS

WHITE WYANDOTTES

S. C. RHODE ISLAND REDS

\$100.00 Manning Cup for 10 best and most typical birds of one variety.

\$100.00 Park & Pollard Cup for best 1914 youngster.

\$50.00 Cup for best 10 birds in the American Class.

Club Cup for best collection of White Plymouth Rocks, and numerous shape and color specials went on Owen Farms birds.

A grand record in the hottest classes ever brought together at a State Fair.

Note 1st, 2nd and 5th cockerel in a class of 287 S. C. R. I. Reds.

No Buff Orpingtons were shown by me at Syracuse as I had sold birds in this variety.

We told you in July and August ads we were ready. My Syracuse record has proved it.

OWEN FARMS READINESS

has resulted in thousands of first prizes being won by customers all over the United States and Canada, and in this year of general shortage of early hatches our youngsters will make an even better record than in former years, as we have more January, February and early March chicks than ever. Order early and enable us to put your birds in perfect condition for your show.

WINTER SHOWS

You are already looking forward to winning your Winter Show and watching particularly promising youngsters as they develop. Your favorite cocks and hens are moulting and you are wondering if they will round to in time to be at their best to win for you. This is the time to take up with me the question of strengthening your weakest spots, as I will book your order upon receipt of a 25 per cent. deposit, balance to come before shipment, and you will have the immense resources of Owen Farms behind you to make your victory certain. Have already booked a good many orders for Fall and Winter Showing, and remember, I will not sell to two customers to compete in same class.

THE UTILITY QUALITIES

of our birds are unexcelled by any and famous the country over. Perfect housing and breeding conditions, combined with perfect health and vigor, have resulted in strong, husky, big boned birds that lay and pay.

BREEDING BIRDS

It is now time for you to definitely plan your matings for next year. When you decide what you are needing, write me and see if I cannot give you the exact bird or birds you must have to make your 1915 matings stronger than ever. Owen Farms prices are lower, quality of individuals and line-bred producing qualities considered, than similar quality can be obtained elsewhere.

Finest Illustrated Catalogue Published—Yours for the asking.

Your Absolute Satisfaction Means My Permanent Success.

OWEN FARMS

115 William St., Vineyard Haven, Mass.

MAURICE F. DELANO, Prop.

FRANK H. DAVEY, Supt

pleasant occurrences at the breakfast table.

Readers of AMERICAN POULTRY WORLD should not only secure a copy of the above mentioned bulletin, but should also send to the Agricultural Department, Washington, D. C., for the bulletin and egg candling chart, recently issued by that department in their crusade for better eggs.

PRESERVING POULTRY MANURE

Fresh poultry manure has approximately twice the fertilizing value of cattle manure, if a comparison of the two products is based upon their nitrogen content. The nitrogenous compounds contained in poultry manure, however, are very unstable, and decompose readily into ammonia and volatile ammonia compounds. Consequently, unless proper care is taken, large quantities of nitrogen, which might be used for fertilizing, are lost.

Several methods have been suggested for retaining this nitrogen. They consist in mixing with the excrement either an absorbing substance or an acid compound which will chemically combine with the ammonia as fast as it is formed.

Experiments carried on at the Maine experiment station showed that poultry manure, untreated, as well as that mixed with sawdust, lost half of the nitrogen in the course of six months. Where the manure was stored with half of its weight of gypsum (land plaster) it lost a third, while that mixed with an equal weight of gypsum and about one-fifth of its weight of sawdust retained all of the original nitrogen. Equally good results were obtained by using from one-third to one-fourth of the weight of the manure of either kranite or acid phosphate.

From the standpoint of the mechanical condition, the mixture with land plaster gives the least desirable product, although the addition of sawdust aids materially in preventing the formation of hard cakes.

When the manure is to be kept only a few days before applying, good results may be obtained with dry loam or peat as an absorbent.

The absorbent used should be sprinkled daily, in the required quantity, on the floor of the hen-house; from which, in combination with the excrement, it may be removed when desired.

The difficulties experienced in spreading poultry manure, on account of its sticky consistency, may be obviated by mixing with loam, peat or common stable manure. For economical use, it should be spread in relatively smaller amounts than other manures.

The admixture of lime or wood ashes is not advised, since decomposition is sufficiently rapid without their use.

It should be borne in mind that each of the absorbents suggested is in itself of value as a fertilizer; the least valuable being sawdust. Consequently the requirements of the

soil should govern to some extent the choice of the absorbent used.—Exchange.

SHOW REPRESENTATIVES

We want a worker at every fall fair and winter poultry show and will make liberal terms with reliable parties. If you wish to engage in this work, send us the name and date of the show, or shows, that you will attend, and we will send our proposition and reserve the show exclusively for you, if it has not already been spoken for. If it has, we will write and tell you so, as only one representative is allowed at each place.

AMERICAN BUFF PLYMOUTH ROCK CLUB

The national meeting of the Buff Plymouth Rock Club will be held during the week of December 7-12, at Rochester, N. Y., with the "Flower City Poultry and Pigeon Association".

There will be offered many regular prizes and special prizes, including the handsome silver cup offered by the club.

Besides the many regular prizes, there is a \$150.00 purse offered "without strings" and will be so divided that you should win your part of it.

A winning at the 1915 national meeting will be worth while, and if you fail to make an entry you will regret it.

Write to J. W. Chapman, Secretary, Box 554, Rochester, N. Y., for their premium list.

Can I depend on your being there with a good string of birds? Matters of importance to the club will be attended to at this meeting.

Silver and Golden Campines

DR. J. H. PRUDHOMME, THURMONT, MD.



D. P. NORTH,

ADJUSTABLE CLINCH

Neatest Band on the Market
25 for 20c; 50 for 35c; 75 for 50c;
100 for 65c; 200 for \$1; 400 for \$2.
Sample Free. Postage Paid.

WAVERLY, N. Y.



1913 Catalogue Free

Illustrates and gives prices; 45 varieties
land and water fowls and eggs. Send
your address on postal card to

S. A. HUMMEL

Box 80,

FREEPORT, ILL.

U.S.
Gov't
Model
Poultry
House
\$78⁰⁰



\$78.00 buys all the material for
this Chicken House, planned by
the Dept. of Agriculture. Size,
20x14 feet. Our price includes
lumber, mill work, roofing, hard-
ware, wire netting, staples and
painting material. Other de-
signs of outbuildings and 116
designs of residences shown
in our "Book of Modern Homes
No. 9945A"—free on request.
Sears, Roebuck and Co.,
Chicago, Ill.

TO PREVENT ROUP, WHITE DIARRHEA, GOING LIGHT

Our booklet on poultry raising tells how and contains other secrets valuable to the poultrymen. Price 15 cents.

FRED WACKER,

COLLINGSWOOD, N. J.

AT THE LAST BIG SYRACUSE, NEW YORK STATE, FAIR

in the largest and best class of S. C. Reds yet shown in the east, we won Best Display. Our First Prize Hen winning Color Special over crack pullets. Stock for sale.

Address GEO. W. TRACEY,

S. C. Red Specialist,

KINDERHOOK, N. Y.

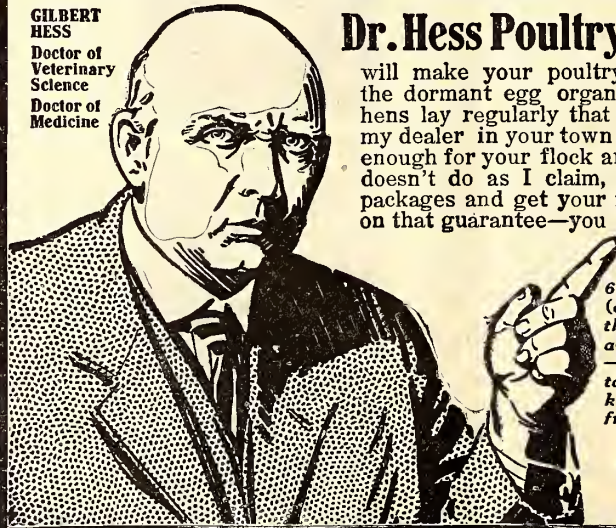
Hurry Your Pullets Along Get Them Started Laying

The quicker your pullets "spread out" and reach maturity the better layers they will make. What they need right now is scientific tonics to improve the appetite and digestion and tone up the blood. So sure am I that

Dr. Hess Poultry Pan-a-ce-a

will make your poultry healthy, tone up the dormant egg organs and make your hens lay regularly that I have authorized my dealer in your town to supply you with enough for your flock and if my Pan-a-ce-a doesn't do as I claim, return the empty packages and get your money back. Buy on that guarantee—you can't possibly lose.

GILBERT
HESS
Doctor of
Veterinary
Science
Doctor of
Medicine



1½ lbs. 25c; 5 lbs.
60c; 25-lb. pail, \$2.50
(except in Canada and
the far West). My Pan-
a-ce-a is never peddled
—it is sold only by repu-
table dealers, whom you
know. Write for my
free poultry book.

Dr. HESS & CLARK
Ashland, Ohio

POULTRY WORLD AFFAIRS

Reports from fall fairs indicate a quality poultry exhibit in almost every case.

A baby daughter recently arrived at the home of Mr. and Mrs. Geo. B. Rudy, Mattoon, Ill.

Wm. C. Denny, business manager and associate editor of A. P. W., is recovering from a severe illness that confined him to his home for several weeks.

The New Jersey Agricultural Experiment Station have issued a circular announcing their fourth annual winter short course in poultry husbandry.

Joseph Russell, breeder of White Wyandottes, and Fred J. N. Kennedy, well known breeder of Campines, Birch Cliff, Canada, were recent callers at A. P. W. offices.

A tourist returning from Hamburg, Germany, is quoted as stating that when he left that city fresh eggs were selling at ten marks (or \$2.50 American) per dozen, while fresh meat was priceless.

Officials of the Panama-Pacific Exposition announce that the European war will not effect plans already perfected for holding the Exposition in 1915. It will open in February as previously announced.

M. F. Chapman, secretary of the American White Plymouth Rock Club, reports that the Organization is in a very flourishing condition, scores of new members having been added during the past year.

Geo. B. Ferris, Grand Rapids, Mich., had the misfortune to lose several poultry buildings at his plant by a recent fire. Fortunately there was but little loss of stock and business will continue the same as in the past.

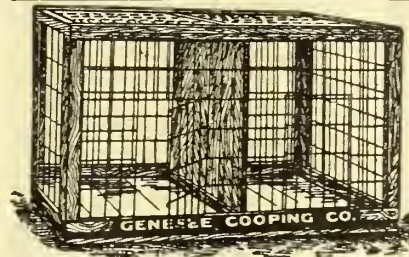
The Industrious Hen, published at Nashville, Tenn., has taken over Practical Poultry, published at Birmingham, Ala. The Hen is doing good work in removing stragglers from the field. This is the second in a few months.

The friends, and by the way they are many, of D. V. G. Curtis, Ballston Spa., N. Y., will be pained to hear of his death which occurred September 17. Mr. Curtis was probably best known to poultrymen as a breeder of Columbian Wyandottes, but at home his friends elected to call him "The Sheriff" from his long connection with that office. Previous to his death he had spent a week at the New York State Fair, where he exhibited a beautiful string of his

favorites and made a grand winning. Upon his return home he complained of pains in the back of his head. Apoplexy developed causing his death three days later. Mr. Curtis was in his 58th year.

F. B. Zimmer, Gloversville, N. Y., one of the few old timers left, spent a day at the New York State Fair in the capacity of judge. Although no longer a boy "Zim" has not lost his eye and can pick the winners as in the days of yore.

At the recent meeting of the New York State branch of the Rhode Island Red Club of America, held at Syracuse, N. Y., during the New York State Fair, a resolution was adopted endorsing Henry W. Alt of Buffalo,



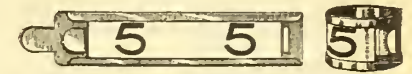
Armer's Buff Rocks Have been shown at three shows already this fall including the Great New York State Fair and have won 12 first prizes and 17 second prizes. Have some stock for sale. If interested, write.
FRED ARMER, BALLSTON SPA, N. Y.

COLORED LEG BANDS

Red, Blue, Black, White, Amber, Pink, Green, 12-20c; 25-35c; 50-60c; 100-\$1.00; 250-\$2.25.

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34 Howard St., Dept. W. MELROSE, MASS

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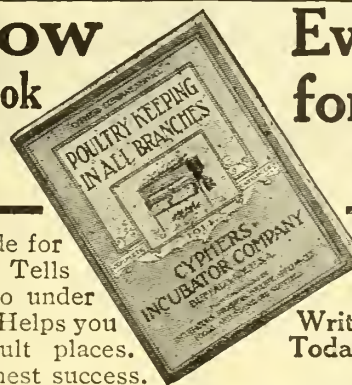
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A friend and guide for poultry raisers. Tells you just what to do under all circumstances. Helps you over all the difficult places. Insures you the richest success. 244 pages—7½x10 inches—of money-making facts.

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Ask us to send with the 1914 book our two valuable books, "Poultry Foods and Feeding" and "Cyphers Company Doctor Book." The Doctor book is new. Informs you instantly the name of any disease and the remedy. Don't wait until your fowls are sick. Be prepared, get this book, save money. We will send all three together *free of charge*. Write today.

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Root Cutters
Nest Eggs
Poultry Books
Etc., Etc.

N. Y., for member of the executive board of the parent body. A resolution was also adopted asking the parent organization to increase the membership fee and dues from \$1.00 to \$1.50, and making every member a member of the branch in the state of which he or she was a resident.

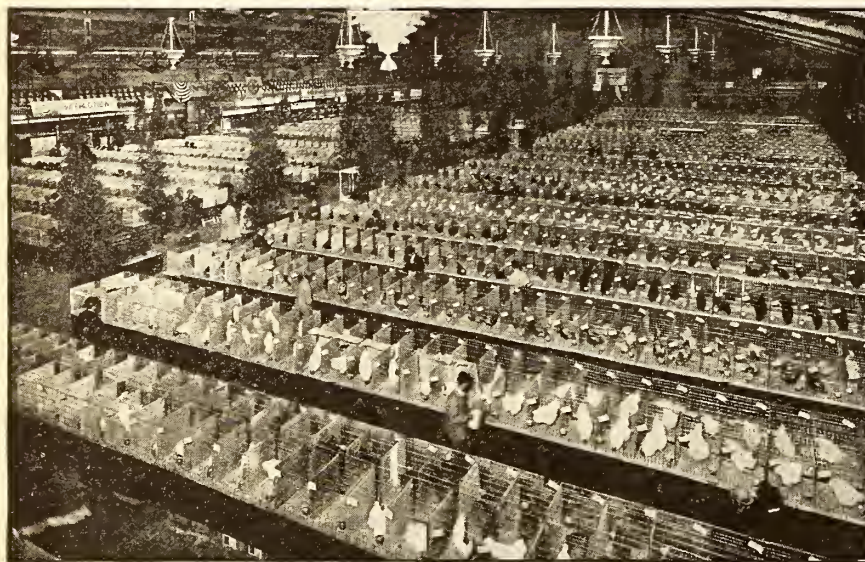
Following the circulation by the United States Department of Agriculture of a bulletin and chart on egg candling, the Canadian Government has taken like steps and has issued an interesting illustrated bulletin entitled the "Candling of Eggs".

We are in receipt of a report from Cincinnati, Ohio, that there will be no poultry exhibition held in that city this winter. It seems, according to

eration. It is believed that this plan is a long step in advance in more efficient marketing of eggs.

Urban Farms, Pine Ridge, Buffalo, N. Y., recently received a consignment of White Wyandottes from Tom Barron, Catforth, England. The shipment consisted of six one year old hens, each having records running from 232 to 247 eggs per year, four pullets and two cockerels. They left England on the S. S. Finland, September 4th, and arrived in New York on the 15th.

It is announced that Miss Grace Kellerstrass will be married to Harry Hector on October 14th. Mr. Hector is a lumberman of Fort Lauderdale, Florida, at which place they will re-



It is said that "coming events cast their shadow before" and this applies very forcefully to the Greater Buffalo Show to be held Thanksgiving Week, November 23-28, at Buffalo, N. Y., as it is seldom that any event creates the interest that already centers around this exhibition. Exhibitors all the way from Maine to California have filed application for premium lists and have already indicated their intention of exhibiting. The above illustration shows a portion of the 1913 exhibition and will give an idea of the extensive floor space of the Auditorium, one of the largest and best lighted and ventilated show halls in America. All exhibits are shown in single tiers giving all an equal advantage. Premium list is now ready and may be had upon application to Wm. C. Denny, Secretary.

the report, that the American Fanciers' Association who have held two very successful shows are in financial trouble through the defalcation of one of their officers.

Recent developments that have caused the appointment of a committee to wind up the affairs of the International Poultry Association gives the assurance of but one poultry show in Buffalo, N. Y., this season. The field is now left to the "Greater Buffalo Show" which will be held Thanksgiving week, Nov. 23 to 28 inclusive.

The Federation of New Jersey Associations are about to put into operation the co-operative marketing of eggs and have issued a circular describing the plan. Over thirty poultry associations with a membership of over 4,000 compose the Fed-

side. Mr. Ernest Kellerstrass, the bride's father, will take up his residence in South America this winter, and Robert Kellerstrass is preparing to close out his White Orpington business and accompany him.

WHYLAND'S RECORD

A. A. Whyland, Chatham, N. Y., who breeds Columbian Rocks, begins advertising in this issue. Mr. Whyland was one of the early breeders of this beautiful and prolific variety and he has striven not only to improve standard points, but also their utility qualities which are rapidly making friends for the variety.

Mr. Whyland made a fine entry at the State Fair, Syracuse, N. Y., and also made a fine winning as follows: 2-3-5 cock; 2-5 hen; 1 cockerel; 4 pullet; 1-2 old pen; 2 young pen. He reports that he has stock of the same quality to spare in both old and young, also some utility birds that he is prepared to make attractive prices on to move them quickly. Mention A. P. W. when writing.

THE 10 HEN FLOCK; THE 30 HEN FLOCK AND THE 100 HEN FLOCK

READ ABOUT ALL OF THEM IN THE COUNTRY GENTLEMAN

The farm weekly that is different. 5 cents the copy at all news dealers. \$1.50 the year by mail.

THE CURTIS PUBLISHING COMPANY
Independence Square, Philadelphia, Pa.

WARSAW COOPING CO.



Manufacturers of Exhibition Poultry and Pigeon Coops of latest improved design. We make a specialty of cooping Poultry Shows, at reasonable prices. Write for particulars.

WARSAW COOPING CO., WARSAW, N. Y.

Get Your Sprouter

From the Man Who Knows How to Build



J. W. MILLER
Inventor
and Manufacturer
of Advanced Types
of Incubators,
Brooders,
Grain Sprouters.

Profit-Making Poultry Outfits

The demand for Grain Sprouters has brought many on the market built by men who lack experience in manufacturing articles to meet the demand of poultry raisers.

It takes months of experimental work and weeks of tests to be able to turn out a good sprouter. Our machine is built along these lines. We spent thousands of dollars perfecting the IDEAL. Now, the

IDEAL Grain Sprouter

has reached the highest point in efficiency tests. Over 20 are in use on my Millhook Poultry Farm, hundreds on other large chicken farms, thousands scattered throughout the country—all turning out the juiciest, tender greens ever sprouted.

If you want feed like that—feed that will

- Increase Egg Yield 50%.
- Make Chicks Mature Earlier.
- Bring More Fertile Eggs, and
- Keep Fowl in Condition

get the Ideal Grain Sprouter.

Our sprouter produces, with least cost and labor, the best green feed in the natural state every day in the year.

It is made of the best lumber outside and finished like a piece of furniture. All metal inside, rustless and durable. Equipped with famous Ideal Safety Lamp. Uses less oil. Easy to operate and take care of. Guaranteed in every way.

Get Special Low Price Offer On Our Four Sizes

Also full particulars and description of our Ideal Guaranteed Grain Sprouters. Address J. W. MILLER COMPANY, Dept. F, Rockford, Illinois
Manufacturers of Profit-Making Poultry Outfits



ROUP AND CHICKEN POX

By H. A. Read

In the Journal of Agriculture, published by direction of Hon. W. F. Massey, Minister of Agriculture Industries and Commerce, New Zealand

(Continued from page 853)

disease is conveyed from bird to bird by direct contact or by picking up portions of the scabby material shed by the affected birds. The common drinking trough is also likely a source of infection. It is readily transmitted experimentally by lightly scratching the comb of a healthy bird, and rubbing on to it some of the matter from one of the virulent scabs.

TREATMENT

This consists in the isolation of all birds showing symptoms of the disease. A temporary roost and run, away from the other buildings, should therefore be erected, and all visibly affected should be kept in it until the disease had run its course and all traces of it have disappeared. The remainder of the fowls should be inspected daily to note if there are any further cases. If they are discovered, these should be immediately removed to the isolation pen. The whole of the roosts should be thoroughly cleaned with hot water, using for this purpose a reliable disinfectant, in the proportion of one teacupful to a gallon of water. All litter should be scattered in the runs lightly sprayed with kerosene, and set fire to. The runs should then be dug up and top-dressed with lime. Individual birds may be treated by painting over the diseased parts, a solution of one part of tincture of iodine in ten parts of water with a stiff brush. This application should be made once daily. All utensils should be thoroughly scrubbed and boiled. To avoid the introduction of fowl-pox into the poultry yard fresh arrivals should be carefully examined for any signs of the disease.

MARTZ WINS THREE FIRSTS

One of the events of the season was the poultry show held in connection with the Great Forest City Fair at Cleveland, Ohio, in August. Large classes were the rule and competition was keen in all departments.

All the popular varieties were well represented, notably the S. C. Buff Orpingtons. Among the several exhibitors in this variety were A. E. Martz and Son, the Buff Orpington specialists of Arcadia, Ind., and the record made by their birds is worthy of special mention.

In a grand class they won first pen

first and second cockerel, first and second pullet and third and fourth cock. The important point in this winning to which attention is directed is the record made on cockerel and pullet and it shows how well prepared these breeders were with young stock. They will be glad to hear from all A. P. W. readers interested in the Buffs and advise that they are in a position to fill orders promptly for exhibition or breeding stock.

THE OUNCE OF PREVENTION

Many people have become discouraged in their attempts at poultry raising through great losses, from diseases that they were unable to successfully combat. The manufacturers of "Oculum" offer a ray of hope for those in this class as they claim that "Oculum" will cure a majority of these complaints. In fact so confident are they that they offer to send a bottle on trial and let you be the judge. To strengthen their claims they offer the following testimonial and ask that readers write for further proof:

Kingsland, N. J., Sept. 8, 1914.

H. I. Co., Salem, Va.

I have formerly used "Oculum" and have found it very satisfactory in every way. All my birds grew as rapidly as weeds, and people were surprised. But I have not had chickens in over two years, so I am going to try again along the "right way" and that is the "Oculum" way for me and mine.

I enclose money order for a bottle of "Oculum".

I believe in the old saying, "An ounce of prevention is worth a pound of cure".

Respectfully,

Peter F. Ewerts,
260 Ridge Road,
Kingsland, N. J.

*** The good points of all varieties of Leghorns are described in our latest breed book "The Leghorns." Procure a copy by sending us one dollar ***

LITTLE'S R. C. RHODE ISLAND REDS
Descended from a son of Sensation that we still own. They have all the great Sensation color, but we have vastly improved them in type. Our catalog sent on request gives history and our great Boston win. Address

GEO. W. LITTLE, 700 Washington St., So. Braintree, Mass



Ideal Aluminum Leg Band

To Mark Chickens

CHEAPEST AND BEST

12 for 15c; 25 for 25c; 50 for 40c; 100 for 75c; 175 for \$1.00;

200 for \$1.10; 500 for \$2.50. Price list and sample 25c.

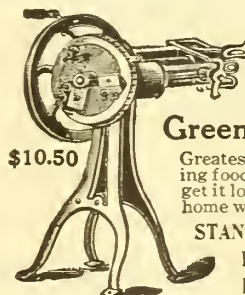
Frank Myers, Mfr., Box 75, Freeport, Ill.

Prairie State Portable Hovers

Made of galvanized steel. Designed to fill every requirement of those who brood flocks of 50 to 100. Fire-proof—Positive ventilation—Automatic regulator. Burns one pint of oil in 24 hours. Each \$8.50.

Full information on all kinds of Brooders free.

Prairie State Incubator Co., 202 Main St., Homer City, Pa



Hens Need

Green Cut Bone

Greatest of all egg producing foods. Supply it fresh, get it low priced. Cut it at home with a

STANDARD IMPROVED 1914 PATENTED BONE CUTTER

It always makes good. Easy running, strong, fast cutting. Has no equal. 12 sizes for hand and power costing from \$6.75 to \$195.00. Sent on 10 days free trial. Write for free catalogue. Standard Bone Cutter Co., Milford, Mass.

BLACK SPANISH

Single birds \$15.00 each. Eggs \$5.00 per thirteen. Each additional Thirteen \$4.00.

R. A. ROWAN,

200 Title Insurance Building,

LOS ANGELES, CALIF

HALABACH'S WHITE PLYMOUTH ROCKS

Won the most decisive, unapproached victory at the greatest of all shows—The Coliseum Show, Chicago, 1913-14.

1-2-3-4 COCK 1-2-3-4 HEN
1-2-3-4 COCKEREL 1-2-4 PULLET
1-2-3 OLD PEN 1-2-3 YOUNG PEN

This is the Fifth Time winning Best Display

Cocks or hens, cockerels or pullets that will win for you. Thousands to select from. Superb in shape, Wonderful in color, Outstanding in style and size. Egg Machines that will produce the eggs. My policy is to give the biggest value for your money. Write me your wants. For further information about records, breeding, caring, etc., send 20 cents for my grand art catalog.

H. W. HALABACH, Box 3, WATERFORD, WIS



Young's Strain S. C. White Leghorns

I HAVE NO OTHER BREEDS

They are the standard for all the Leghorns of all America and the greatest layers of all domestic fowls. At the World's Famous and Premier Show of America, at Madison Square Garden, New York, for the past thirteen consecutive years I have won best display, and from three to five first prizes, every bird being bred and raised by me. Hundreds of yearling hens for sale from my best line bred laying stock \$2.00 up, and the grandest lot of cockerels I ever offered for sale.

Mating List Free.

D. W. YOUNG,

MONROE, N. Y.

THE NEW YORK STATE FAIR

By W. A. Wolford

(Continued from page 857)

mental classes the Buff Cochins were in the largest numbers.

The Turkey classes were small and with the exception of the White Holland their was only one entry in a class although all standard varieties were represented.

In the waterfowl classes the Pekin and Indian Runners showed their popularity by greatly outnumbering their rivals. In both of these varieties there were large entries and many fine specimens were shown.

Geese, while not shown in large numbers, were a quality class.

Bantams, Pigeons and waterfowl were shown in the balcony and occupied the greater portion of three sides. The other side was given over to displays and among others were the Hall Mammoth Incubator, Hodgkins Supply House, showing the International Hover and 6 and 1 exerciser, and Spratts with a full line of their quality foods. While occupying a corner of the main floor was the Candee Incubator and Colony Brooder.

NOTES ON CLASSES

In the Barred Rock classes Yama Farms was an easy winner carrying off all first prizes besides 2-4-5 cock; 2-3 hen; 2-3 cockerel; 2-3 pullet; 2-4 pen old, and 2-3 pen young, the Hodgkins cup for best display and all shape and color specials. The entire exhibit shown by Yama Farms showed the same careful conditioning of former years and not only contained some magnificent cocks and hens, but also some well developed cockerels and pullets, and by the way while there has been a general complaint of a shortage of well developed young stock, there seemed to be plenty of it on hand in all classes at this great show.

In the White Rocks Owen Farms had slightly the best of the argument winning 2-3 cock and 1-2 hen; 1-3 cockerel; 1-2 pullet; 1 pen old; 1 pen young, and Silver cup for best 10 birds any one variety in the show. Second cock was a grand bird and could easily have changed places with number one. First hen a good one of excellent type in good feather and shown in fine condition. First cockerel large, well matured and of good head points; second a grand bird not quite so far along, but could have changed places with number one without causing any commotion. First and second pullets grand birds, excellently shown and candidates for honors at later shows. Both first and second pens of old and young carried the superb quality of the open classes, the cock in first pen being an exceptionally good bird.

Rancocas Farm showed an excellent string winning 1-4-5 cock; 3-4 hen; 2-4-5 cockerel; 3-4 pullet; 2 pen old and 2 pen young. Young birds not quite so far along as the winners, but bound to come to the front later on. Theo. Poole, Dewitt, N. Y., captured 4th prize on young pen.

Buff Plymouth Rocks brought out some of the finest colored buff birds

seen in many seasons and one could take defeat in this class without feeling any disgrace. Fred Armer, Ballston Spa., N. Y., as usual made a nice exhibit and won 2-3-5 cock; 2 hen; 1-2 cockerel; 2 pullet; 5 pen old and 2 pen young, also second display, losing first place by the small margin of one point. Mr. Armer's first prize cockerel was a remarkably good bird of fine color and type and an easy winner. Second of the same order although not quite so good in all sections. First prize hen was a model for color and believed by many to be a candidate for best bird in the show. Louis H. Perry, Clay, N. Y., won 3rd pen old.

Columbian Plymouth Rocks brought out a quality class of fair size and I am inclined to disagree slightly with Judge Cosh in his choice of first cock. While this bird was remarkable for color, he was

sadly lacking in shape, having nothing in this direction that would indicate Plymouth Rock breeding. Although second cock was somewhat sunburned he was of excellent type and I believe should always receive the preference. This is only friendly criticism and is not meant to cast any reflection on the way the class was handled, as no doubt Mr. Cosh

S. C. WHITE LEGHORNS

3000 Birds to Sell—Great Layers
1000 Pullets, \$1.25 each 1000 1-year-old Hens, \$1.25 each
100 Cocks, \$1.00 each 1000 2-year-old Hens, \$1.00 each
Circular free Bella Vista Farm Co., Kimmswick, Mo.

America's Best Cochin Bantams

The prominent winning strain. Many bargains in old and young birds that will win this fall and winter.

WAHEBE BANTAM YARDS

Box 13-R, Evanston Sta., Cincinnati, Ohio



COCKERELS

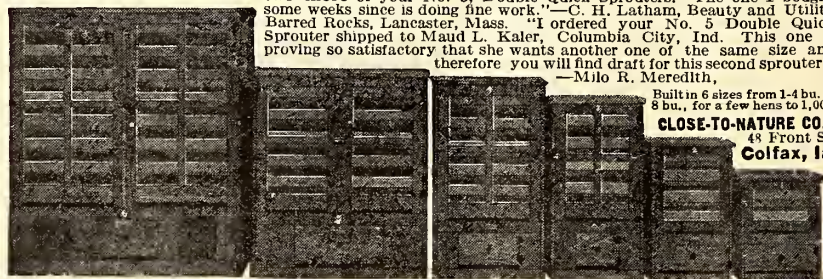
Of Park's Bred-to-Lay Barred Plymouth Rocks. With over 25 years' egg breeding back of them, at \$3.00 and up. Cockerel Circular Free. Large 40-page catalogue, dime.

J. W. PARKS, Box W, Altoona, Pa.

DOUBLE QUICK GRAIN SPROUTER

THE PERPETUAL POULTRY SILO—Grows Green Feed While You Wait
The First, the Original, the Pioneer of All Grain Sprouters

The Double Quick Originates and introduces, others imitate and follow. Fully 100 Double Quicks to every half-dozen of all others combined. Now in its fourth year, in use in every state and territory and several foreign countries; many large poultry farms use from one to five. "I am enclosing my check for two more of your No. 5, Double Quick Sprouters. The one I bought some weeks since is doing fine work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass. "I ordered your No. 5 Double Quick Sprouter shipped to Maud L. Kaler, Columbia City, Ind. This one is proving so satisfactory that she wants another one of the same size and therefore you will find draft for this second sprouter."—Milo R. Meredith.



Built in 6 sizes from 1-4 bu. to 8 bu., for a few cents to 1,000.
CLOSE-TO-NATURE CO.,
48 Front St.
Colfax, Ia.

FILL YOUR EGG BASKET

Will be healthier, will require less attention; will give you more leisure, more pleasure, and above all WILL LAY MORE EGGS and incidentally return you more profit if you give them



Spratt's Poultry Food No. 3

It is a well balanced ration especially prepared to produce eggs. During inclement weather give your birds

Spratt's Granulated Prairie Meat "Crissel"

which is the purest form of meat obtainable. Send 10 cents for "Poultry Culture." "Pheasant Culture" sent on receipt of 25c.

SPRATT'S PATENT LIMITED, Newark, New Jersey

had his own good reasons for placing the honors as he did. A. A. Whyland, Chatham, N. Y., won 2-3-5 cock, 2-5 hen; 1 cockerel; 4 pullet; 1-2 pen old; 2 pen young; also silver cup for best display; ten dollars in gold and club specials.

In White Wyandottes Jno. S. Martin, Port Dover, Can., made pretty nearly a clean sweep, winning 1-2-3-4 cock; 1-2-3 hen; 1-2-3-4-5 cockerel; 1-3-4-5 pullet; 3-4-5 pen old; 1-3-4 pen young. This was a remarkable class, especially so as the cockerels and pullets showed nearly full maturity and many of the latter were laying. Owen Farms captured 1 pen old with an exceptional cock and 4 hens shown in prime condition. Second pullet shown by the same exhibitor was also a remarkable bird not far removed from the winner, in fact she was picked by many before the awards were placed as the lucky one. Mr. Martin won the club specials for best cock, hen, cockerel, pullet and pen. Louis H. Perry, Clay, N. Y., captured 2 cock; 2 pen young in Black Wyandottes.

In Partridge Wyandottes, Sheffield Farms, Hugo Hark, Mgr., made a clean sweep, winning as follows: 1-2 cock; 1-3-4 hen; 1-2-3 cockerel; 1-2-3 pullet; 1-2 pen old, and 1-2 pen young. Mr. Hark is one of the early breeders of this variety and appears to have solved the problem of producing good colored males and nicely penciled females, both of which have Wyandotte type that is a pleasure to look at. Chas. B. McEwan, Albany, N. Y., won 3 cock; 5 hen; 4 cockerel; 5 pullet; 3 pen old and 3 pen young.

Columbian Wyandottes, one of the largest and best classes ever seen at Syracuse, Sunnybrook Farm, Eaton-town, N. J., and D. V. G. Curtis, Ballston Spa, N. Y., having a trifle the best of the argument. Sunnybrook Farm winning 1-2 cock; 1-3 hen; 1 cockerel; 3 pullet; 1 pen young. The Curtis entry captured 4 cock; 2 hen; 2-3 cockerel; 2-4 pen old; 3-4 pen young. Sunnybrook Farm showed a beautiful string in fine condition, first cock being of beautiful type and color, his weak point being head. The Curtis entry was not in quite as good condition and the young stock lacked maturity, give them a little more time and allow the old birds to complete the moult and they will hold their own in most any competition. First and second display was won by the above exhibitors in the order mentioned. Mr. Curtis reports a very successful season and has a choice lot of young stock for sale.

The S. C. Rhode Island Red alley was the scene of a "battle royal" and when the smoke had lifted there was many a good bird left by the wayside. This was especially true of entry No. 513, a cock shown by Owen Farms. A grand bird of excellent type and color, but in bad feather due to heavy moult. In condition, this bird would be a close candidate for first honors. Houck & Alt, Buffalo, N. Y., Owen Farms, Vineyard Haven, Mass., and Geo. Tracey, Kinderhook, N. Y., formed the principal battle line, with Wadsworth & Cartor, Wolcott, N. Y., China Hanchett, Verona, N. Y., Wyebrook Farm, Albany, N. Y., Rock

Creek Poultry Yards, Geneseo, N. Y., and several others, making up a skirmish line that proved troublesome all through the classes.

Houck & Alt captured first cock; Wyebrook Farm 2nd; Tracey 5th. First, second and fifth hen went to Tracey; Owen Farms second and Wyebrook 4th. In the cockerel class Owen Farms took the honors with a grand entry, winning 1-2-5; Tracey 3, and Wyebrook 4. Houck & Alt came to the front again when the battle scene was changed to the pullet class where they captured first honors. Tracey was 3rd, and Owen Farms 4th. In old pens Wyebrook took the lead with Tracey in second place and Owen Farms 5th. Young pens found Houck & Alt in front again with 1st and 5th honors; Tracey 3rd, and Wyebrook 4th. Tracey captured first display; second display; color on cock; shape special on pullet; New York State cup on young pen, and best male and female went to Houck & Alt. Wadsworth & Castor captured special for best marked wing with a beautiful pullet.

Rose Comb Reds were responsible for another close contest, Wadsworth & Castor carrying off 5 cock; 4 cockerel and 5 pen old. Rock Creek Poultry Farm, Hugo Freese, Mgr., won 2 cockerel with a very

promising bird that with a little more maturity should bring home the coveted ribbon.

In a fine class of Black Langshans McDonough & Bidwell, Newark, N.

THE GREAT LEGHORN FARM

Eggs for hatching half price after the 10th of May, in R. C. Brown, S. C. Brown, S. C. Buff and S. C. Black. Some fine exhibition birds for sale in the fall. HENDERSON & BILLINGS, ST. MARYS, ONT.

The Best Oat Sprouter on the Market

\$6 All Metal. No Lamps.

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Silver Penciled Wyandottes

For Choice Stock Write

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STILLWAGEN'S SINGLE AND ROSE COMB REDS

Eggs now half price. Breeding males and females at bargain prices.

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THE MARK OF POULTRY QUALITY
The Tywacana Farm Indian
Head signifies hardy, vigorous
bird of great laying ability.

TY-WAC-A-NA
White Leghorns, Barred and
White Plymouth Rocks have
years of utility breeding back of
them. They are large, beautiful,
thrifty and profitable birds.

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Tywacana Poultry Farms Co.,
Box 60, Farmingdale, L. I., N. Y.



Holmwood's Columbian Rocks AN ESTABLISHED STRAIN of healthy, vigorous, prize winning birds, raised on **free range**. Our latest winnings—Buffalo, Jan. 1914 of 1st, 3rd and special hen; 1st and special cockerel; 1st pen; 2nd pullet special for Best Display is proof of quality—if more is wanted visit our yards, seeing is believing. No stock for sale—A limited number of Eggs at \$3 per 15.

MASON H. HOLMWOOD.


ORCHARD PARK, N. Y.

GOLDEN AND SILVER CAMPINES

Stock for sale. Bred from America's Champion Blue Ribbon Winners at Madison Square Garden, Boston and Baltimore. Write your needs for the show room. Exhibition birds a specialty.

E. F. DEAN,

WILLIAMSPORT, PA.




Look Here for Lice

Under the wings—look there for lice when you wonder why your hens are not laying. Lousy hens are mighty poor layers. There is one safe, sure and speedy preventive against lice,

Dr. HESS INSTANT Louse Killer

Sprinkle it under the wings, in the cracks, on the roosts, in the dust bath. Kills lice on poultry and farm stock; also bugs on cucumber, squash and melon vines; cabbage worms, slugs on rose bushes, etc. Sifting top cans, 1 lb. 25c; 3 lbs. 60c (except in Canada and the far West). Guaranteed. Write us if your dealer hasn't it.

DR. HESS & CLARK
Ashland
Ohio



Y., won second old pen. These breeders believe that the Blacks are bound to regain their old popularity and are prepared to meet the demand for breeding or exhibition birds either old or young.

The S. C. White Leghorns brought out one of the quality classes of the show with such breeders as Dictograph Farm, West Nyack, N. Y.; Rancocas Poultry Farm, Brown's Mills, N. J.; Bonnie Brook Poultry Farm, Saratoga Springs, N. Y.; Maplewood Poultry Yards, Attica, N. Y.; Monmouth Poultry Farm, Freneau, N. J., and several lesser lights striving for the honors. In the cock class Rancocas won 1, 2 and 5 on three entries, Bonnie Brook capturing 3rd and 4th. Rancocas also won three places on hens, viz: 3rd, 4th, 5th, and they also came to the front on cockerels by capturing 1st and 3rd, Monmouth Farms taking 2nd and 5th. On pullets Monmouth Farms got away with 1st and 4th, Rancocas taking 3rd and 5th, and then capturing both firsts in old and young pens. Second and fifth old pen went to Bonnie Brook and third to Dictograph Poultry Farm. Young pens were well split up, Monmouth Farms taking third, Dictograph fourth and Bonnie Brook fifth. Special for best female went to Monmouth Poultry Farm, also second display. Rancocas carried off the best display, best male, best pen and cup for best 10 birds in open class. Third display went to Bonnie Brook.

Rose Comb White Leghorns brought out a beautiful class, five first going to a lady exhibitor on a beautiful and deserving entry. Fifth pullet and fourth pen young were awarded A. Almendinger, 61 Inwood Place, Buffalo, N. Y. Fourth cock and third pen old went to Louis H. Perry, Clay, N. Y.

Quality was evident all through the S. C. Buffs and many well known breeders were in the line, among them being Monmouth Poultry Farms, Freneau, N. J., and L. E. Merihew, Marathon, N. Y., both showing a beautiful string of birds. Monmouth Farms captured 3rd best display and club specials. L. E. Merihew drew 2-5 cock; 2-4-5 hen; 4 cockerel; 3-5 pullet; 3 pen old, and 2 pen young, a place in every class. Both exhibitors report a very successful season and are prepared to furnish breeding or exhibition stock to meet any requirements. They will be pleased to hear from all A. P. W. readers interested in this deservedly popular breed.

In a class of White Orpingtons as good as ever faced a judge at the state fair, Owen Farms won 1 cock; 1-2 hen; 3-4-5 cockerel; 1-2-5 pullet; 1 pen old and 1 pen young. Five out of six first and every entry but one placed. First prize hen was one of the best I have ever seen, snowy white plumage, good head points and beautiful shape. There were also four grand females in the first prize pen. First cock was also a wonderful bird and seldom is one as white shown. Owen Farms certainly deserve great credit for their productions in White Orpingtons.

The Silver Campine class was a good one and found such well known breeders as Martling Hennery, Ridgefield, N. J.; Dictograph Farm, West Nyack, N. Y.; McDonough & Bidwell, Newark, N. Y.; Homestead Campine Farm, Wayland, Mass., and others contesting for honors. McDonough & Bidwell were easy winners in the cockerel class with a fine colored bird of good type, very well matured, 3 pullet and 4 pen old, also went to the same exhibitors. The Martling Hennery carried off four firsts, viz: cock, hen, pen old and pen young.

In Golden Campines McDonough & Bidwell showed a beautiful string and won first cock, second hen, first cockerel, first pullet and first pen young. Each entry placed with four blues to their credit. The first prize cockerel was the sensation of the class, and was one of the finest marked birds of the variety shown thus far. The Martling Hennery won fourth hen, third pullet, first pen old and second pen young.

Dictograph Farm won four firsts in the White Faverolle class as follows: 1 cock; 1 cockerel; 1 pullet and 1 pen young. They also won 2 pen old and 3 hen. Lew H. Bown, East Aurora, N. Y., made three entries and in this class captured 3 cock, 1 hen and 1 pen old. Mr. Bown is very enthusiastic over the variety and speaks very highly of their quick maturity, vigor and productiveness.

DUCKS

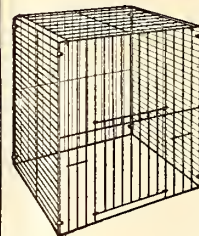
Pekin Ducks brought out a very strong class, Maplewood Poultry Yards, Attica, N. Y., and Fernbrook Farms, Menands, Rd., Albany, N. Y., dividing the most of the honors. Maplewood was awarded 2 old drake; 3 and 4 old duck; 1-5 young drake; 4-5 young duck; 4 pen old and 4 pen young. Fernbrook's winnings included 1-4-5 old drake; 1-2 old duck; 2-3-4 young drake; 1-2-3 young duck; 1-3 pen old; 1-3 pen young. Competition became keen again in the Indian Runner class and Fernbrook was there with the quality winning 2-5 old drake; 1-2 young drake; 1-4 young duck; 4 pen old, and 2 pen young. L. H. Perry, Clay, N. Y., won 5 young duck; 5 young drake, and 3 pen young.

A small but select class of White Runners in which competition was keen found Mrs. Andrew Brooks, Auburn, N. Y., Fernbrook Farm and L. H. Perry the principal contestants. Mrs. Brooks won 1-3 young drake; 1 young duck. The blue ribbon pair being a model one. The drake one of the finest I have ever seen and an easy winner. Fernbrook won 2 young drake; 2 young duck. L. H. Perry, 4 old drake; 4 young drake; 3 young duck, and 1 young pen.

ODDS AND ENDS

Bonnie Brook Farms, Saratoga Springs, N. Y., had a very attractive display of S. C. White Leghorn cockerels and pullets in the large display pens in the center of the hall. These birds were of their famous utility strain, as Bonnie Brook Leghorns have a reputation for egg laying, a pen in the Connecticut con-

THE BETTER THE COOP THE BETTER THE SHOWING



Made of heavy galvanized steel wire. All joints electric welded. As rigid and strong as if made of one piece of metal. A model in appearance. Collapsed in one second's time. Send for catalog and prices.

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DEPT. C., BATTLE CREEK, MICH.

Eggs 60c Dozen 25c Lb. Chicken

The big war will boost the price of eggs and chickens sky-high this Winter—and the enterprising poultryman will profit thereby.

Now, are you going to get your share? Are you going to get extra eggs and plumper hens? It's easy if you furnish your hens the right feed. The old reliable

RELIANCE Grain Sprouter

will do that very thing for you. It will make 3 to 4 bushels of the snappiest, juiciest and most tender sprouts imaginable—all from 1 bushel of dry grain. This is the sort of feed that will

- Increase Egg Production 50 Per Cent;
- Make Some Hens Lay Double Quantity;
- Fatten Pullets for Early Market;
- Cut Feed Bill in Half.

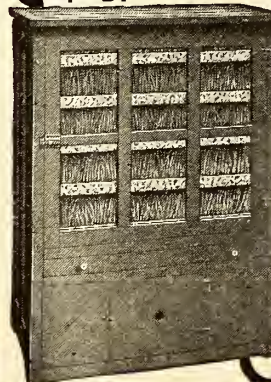
Buy the Reliance. It is built in one of the largest and best incubator factories in the country. Sells at a lower price and is more efficient. Has better heating and ventilating system; besides the front contains more glass which induces larger quantity of sprouts.

All shipments made on guarantee of satisfaction or money back. Send postal for literature—or ORDER DIRECT FROM AD.

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No. 2
Reliance
(The Original Double)
Sprouter
100 Hen Capacity
sells for only
\$7.00

OTHER SIZES:
**\$5.00, \$8.50
and \$11.50**

Order from ad if you like, or send for literature, pictures and prices of our entire line.

* * * All varieties of water fowl described in the book "Ducks and Geese," seventy-five cents per copy postpaid * * *

test having made a grand showing and at this writing is among the ten leaders and has led all contestants on two occasions for weekly production.

Maplewood Poultry Yards, Attica, N. Y., also had a display of S. C. White Leghorns, and Manager Hayner was busy informing an inquiring public of their good qualities, not the least of which is their ability to produce large white eggs in profusion.

Fernbrook Farm occupied one whole section with a display of Pekin and Indian Runner ducks. They not only made an interesting but an attractive exhibit.

J. C. Punderford of Monmouth Farms was a busy man with his exhibit of S. C. White and S. C. Buff Leghorns and he made many new friends and did a thriving business in both varieties. Mr. Punderford has made great progress in developing the Buffs and today his strain compares very favorably with the whites in all the finer points. He has succeeded in producing Buffs with fine enamel white ear lobes, an achievement for which all buff breeders have been striving. Fine head points are a feature with his birds and he is daily in receipt of flattering letters from satisfied customers in all sections of the country. He reports an ample crop of young stock, both varieties, and can supply either breeding, exhibition or utility stock on short notice.

M. F. Delano of Owen Farms, was another busy person and as he makes a specialty of supplying guaranteed winners, he was missing no opportunities to meet prospective purchasers. He reported several good sales. In speaking of the season's business he said that the past season had been one of the best in the history of Owen Farms.

M. F. Chapman of Rancocas Farms, was happy over his victory in the White Leghorn alley. All first prizes on male pens included is some record, but then he had goods, so why not? Mr. Chapman was also optimistic and reported a fine season's business with an excellent crop of quality young stock to meet the demands for either breeding or exhibition birds.

Newton Cosh as usual with those Yama Farm Barred Rocks, walked off with nearly every thing in sight and no one questioned his right to do so. "Newt" don't make the attempt unless he is there with the goods and if the judge don't fall down there is not much doubt as to the outcome.

Geo. Urban, Jr., James O. Moore, Robert Essex, Buffalo, N. Y.; Harlo J. Fiske, W. Springfield, Mass.; G. L. Wheeler, Penn Yan, N. Y.; Robert Seaman, Jerico, L. I.; G. A. Williams, Warwick, N. Y.; Reese V. Hicks, Brown's Mills, N. Y.; P. C. Gori, Ulster, Pa., and Fred C. Lisk, Romulus, N. Y., each made a brief visit and inspected their favorite classes.

The Poultry Press was well represented, American Poultry Advocate, Poultry Fancier, Poultry Item, American Fancier, Poultry Success, Reliable Poultry Journal and AMERICAN POULTRY WORLD each having booth space.

The display of ornamental water-fowl in the tank at the center of the hall, was always a main center of attraction. From the opening until the closing hour there was always a crowd of curious interestedly watching the amusing antics of these water birds.

Several club meetings were held during the week, these included the American Buttercup Club, previously mentioned; the National R. C. White Leghorn Club at which W. H. Manning presided; the New York State Branch of the Rhode Island Red Club of America, and the New York State Branch A. P. A. The latter meeting had a hard time getting under way, no call for the meeting having been sent out, and it took much time, hustling and persuasion to gather a quorum so that the meeting could proceed. The most important business transacted was the adoption of a motion calling a meeting at the New York Palace Show in December, for the purpose of formulating a new constitution by the parent body that somewhat changes the status of the state branches.

The Advisory Committee of the New York State Poultry Breeders consisting of W. H. Manning, Geo. E. Noeth, J. H. Drenstedt, D. L. Orr and H. P. Schwab met at Onondaga Hotel for the purpose of considering ways and means of having a fitting exhibit and representation of New York poultry breeders at the Panama-Pacific Exposition. It is believed that the state will come to the aid by making a liberal appropriation.

D. V. G. Curtis of Ballston Spa., N. Y., better known to his many friends

as the "Sheriff", was highly elated over his winnings in Columbian Wyandottes. And by the way he also won first and second prizes on Wyandotte eggs in the market egg show staged in the gallery. Breeders

GABRIEL'S "RAVEN BLACK" S. C. BLACK MINORCAS

I have a large number of extra choice Cockerels — "Raven Blacks" will add quality to your flock. Write your wants.
FRED C. GABRIEL, Box W, SOUTH BEND, IND

MAMMOTH BRONZE TURKEYS

Also high class Columbian Wyandottes and S. C. Buff Leghorns; Indian Runner and Rouen Ducks. Write your wants to
A. G. BARLOW, Box W, MEDINA, N. Y.

O. L. HILL, SHELburn, IND.

Originator and Breeder of "Eclipse" White Wyandottes. Write me your wants and I will send you my prices and catalogue giving full description of my stock. We also breed a fine line of Black Cochins Bantams.

"Slades" Imperial Pekin, and Fawn and White Indian Runner Ducks

Young and old stock. Show birds a specialty. Prices right, satisfaction guaranteed.
JOHN SLADE, MALVERN, PA

BLUE ANDALUSIANS

The popular blues for fancies or farmer. Let us tell you about them.

L. C. TAYLOR & SON, GIBSONBURG, O

FOGG'S S. C. WHITE LEGHORNS

We can furnish you winners for the fall and winter shows at right prices. Write your wants now.

N. V. FOGG, Box W, MT. STERLING, KY.



MILLER'S SPANISH

Better than the rest. No more stock for sale until June. Eggs 1-2 price after May 15th.

FRANK MILLER,
Box W, CRESTLINE, O.

URBAN FARMS PINE RIDGE BUFFALO, N. Y.

Ask for our 1914 Mating List of Prize Winning BLACK LANGSHANS, WHITE PLYMOUTH ROCKS, ANCONAS, HOUDANS, SILVER CAMPINES, MOTTLED JAVAS, BLACK TAILED WHITE JAPANESE BANTAMS and MILLE FLEURS.

ANDERSON'S R. C. RHODE ISLAND REDS

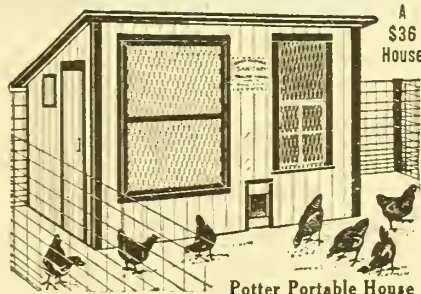
Again win at Central Palace Show and Greater Philadelphia, six regular prizes besides shape and color specials. A grand lot of youngsters to dispose of that will improve your flock at right prices.

ANNESLEY M. ANDERSON, Box W, MORTON, PA.

SILVER CAMPINES

Winners at the Greater Buffalo Show, 1913 Allentown, Pa., Fair Show winning futurity stake and Philadelphia winning in strongest class shown 2nd cockerel. Choice Young Stock both cockerels and pullets now ready. Why not let me supply your winners.

W. C. D. FRANTZ, Box W, NEFF'S, PA



Potter Portable House

No. 5, style "D" 8x10 ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5 ft. 3-perch complete henhouse outfit for 30 hens. Price of complete house, \$36. Painted 2 coats.

DON'T KILL or sell your laying hens. Pot-terize your flock. Pick out the layers from the loafers and diseased hens. Save food money. Over 50,000 satisfied poultry keepers have our Potter System Book, "Don't Kill The Laying Hen." You cannot afford to be without our 100 page book. Send for circulars.

DON'T BUILD you can buy better, cheaper, more complete, ready-made (factory made) hen houses, roosting and nesting features, coops, hoppers, etc. from Potter & Co. We buy No. 1 high grade cypress lumber in car loads, cut and fit all parts perfectly in our big factory and deliver the complete house, coop or fixtures you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures PORTABLE, SANITARY, INEXPENSIVE

Have been sold over 10 years, are used and recommended by thousands who want the best and buy the best in poultry houses and equipment. You start right when you buy a Potter Portable with complete outfit of roosts, dropboards and nests. You save money too. A clean sanitary hen house means healthy hens and lots of eggs.

OUR BIG CATALOGUE contains 112 pages and over 150 illustrations showing Potter Portable houses, coops, henhouse outfits, feed hoppers, brooders, hovers, etc., in fact, everything for the poultry keeper. You need Potter made, high grade goods. Send 2 red stamps to cover postage on our large catalogue and circulars on the Potter System Book.

POTTER & CO., Box E-16, DOWNERS GROVE, ILL

in need of good Columbians would do well to write Mr. Curtis.

A. A. Whyland, Chatham, N. Y., was also in a happy frame of mind after the ribbons were up, as a goodly number of them adorned his entries. Mr. Whyland has been a very consistent winner at the State Fair and each year manages to add a few new laurels.

The Rhode Island Red alley was the scene of much strife and Henry Alt of Houck & Alt, Buffalo, N. Y., was in high spirits over the winning three firsts, which was two more than any other exhibitor succeeded in corraling.

George Tracey, the postmaster at Kinderhook got a few days leave of absence and came with an entry of Reds of sufficient proportions to carry off the display prize. The going was hard, however, and he had to extend himself fully as much as in the days when he was king of the six day walkers.

The corner occupied by the Candee Incubator display was a busy place and optimism sparkled all over W. H. Steckel, who was in charge of the exhibit. Mr. Steckel is an earnest believer in the Mammoth Incubator and the way that he can point out its advantages is worth any one's time to listen. That the Candee fills the bill is proven by the large number of users that are adding additional sections.

The International hover and 6 and 1 exerciser manufactured by the Hover Incubator Co., Brown's Mills, N. J., and exhibited on the balcony, attracted much attention and I was told by one prominent White Rock breeder that this hover was responsible for his success. He has discarded all others and depends upon it exclusively to raise his chicks and he states it is reliable in all kinds of weather. It is worth investigating.

Hugo Freese, Mgr. Rock Creek Poultry Farm, Geneseo, N. Y., made a fine exhibit of Reds, both combs, and that little 48 inches of humanity was busy with prospective customers all the week, one of the most important sales being for a male to go to Texas for the State Fair at Dallas. "Hugo" says Rock Creek Reds are bred in New York and they win all over.

This report would be incomplete without mentioning W. H. Patteson, Penn Yan, N. Y., and his Sussex, all three varieties. Here is one of the most enthusiastic poultrymen one ever met with, and when the subject of table poultry is broached he is in his element. Mr. Patteson believes the time has arrived when poultry meat must take the place of beef, pork, etc., and in the Sussex he believes he has the ideal fowl for the rank and file, a variety that will yield the greatest returns for the smallest outlay. One that will not only produce a quantity of eggs but also fill the bill as a table fowl.

We will now adjourn and I trust we may all meet again at the 75th annual State Fair, which, let us hope, will be still greater than its predecessors.

MONMOUTH POULTRY FARMS

The Monmouth Poultry Farms, Freneau, N. J., have for many years been among the foremost breeders of S. C. White and Buff Leghorns and their entries usually capture their share of the honors no matter how keen the competition.

This was true at the recent New York State Fair when in large classes Monmouth Farms won as follows: S. C. Buff Leghorns, first pen young, (no old pen entries); first, second and fourth pullet; first, second and third cockerel, and third cock. In S. C. Whites their winnings were third pen young; first and fourth pullet; second and fifth cockerel, no cock or hen entered. This is surely a grand winning, especially so when the competition is taken into consideration. Mr. Punderford, the owner of these farms, advises that they are prepared to book orders for exhibition or utility stock and will quote attractive prices to those interested. When writing mention A. P. W.

OYSTER SHELLS

Readers attention is directed to the advertising of Louis Grebb, Baltimore, Md., elsewhere in this issue. Mr. Grebb is an extensive packer of oysters and makes a specialty of preparing the shells for the poultrymen. As oyster shells are a necessity on every well regulated poultry plant, it is to the interest of every up-to-date poultryman to see that they are well supplied and they could probably do no better than to get Mr. Grebb's prices before buying elsewhere.

*** A postal will bring a copy of our Clubbing Catalogue by return mail ***

KENTUCKY WARE
Mechanically perfect—looks it—protects bird health and profits. Send for big free circular.
KENTUCKY STAMPING CO., 114 15th St., Louisville, Ky.

WHITE ROSE COMB LEGHORNS BLACK My Birds win at the Greater Buffalo Show, 1st and 2d cks., 1st and 2d hens, 2d cock, 3d and 4th pullets 3rd pen. Silver Cup for best display. Young stock ready to ship in Sept. for the fall shows.

A. ALMENDINGER, 61 Inwood Place, BUFFALO, N. Y.

Congdon's Barred Rocks

Bred for Utility and Beauty

Write your wants in Cocks, Cockerels, Hens, or Pullets. \$2,000 invested, 20 years' experience. **INCUBATOR EGGS, \$5.00 per 100, \$40.00 per 1,000.**

NEW BOOKLET FREE

W. A. CONGDON,

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ENGLISH PENCILED (Cumberland) RUNNERS The real Runners, white eggs, most valuable farmers' breed. Practical **BARRED ROCKS** bred for heavy egg production, famous laying strains. Breeding stock for sale both breeds.

MRS. ANDREW BROOKS,

Brookhaven Farm,

AUBURN, N. Y.

PRUYN'S SILVER WYANDOTTES

WIN First Pen, First Cockerel, Special Best Silver Wyandotte Male, Fifth Hen at Grand Central Palace. Four Firsts, Four Seconds, Three Thirds, Two Fourths and Seven Specials at Yonkers. Send for mating list. Have some choice cockerels to spare.

JOHN W. PRUYN,

Gray Oaks,

YONKERS, N. Y.

IF I BUY BABY CHICKS WILL THEY MATURE INTO PULLETS LIKE THESE



Will they grow into birds that I can feel proud of and that will lay Winter Eggs in quantities, or win the blue ribbons for me, or will they be just scrubs, that's the question before everyone who buys day-old chicks. It is not the first price that counts, but will they be right at maturity?

Caldwell's White Plymouth Rocks (Fishel Strain) "Baby Chicks of Quality"

From Utility Matings

Will mature into long backed, well made birds—pure white in color, that will be the secret of "Winter Eggs". Every utility breeder is descended from known good layers that have been bred that way.

From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

A New Catalog is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

The Caldwell Selling Plan

no only arranges for the man who orders in advance but for the one in a hurry. Thousands of eggs are setting which will make possible **DELIVERY OF ANY NUMBER ON SHORT NOTICE.**

R. C. CALDWELL, Box 102-A, LYNDON, Ross Co., OHIO

STANDARDS OF THE NEWER BREEDS

THEIR INCONSISTENCY

By A. O. Schilling, Staff Artist

(Continued from page 851)

We had no particular objection to the Red Sussex Standard, but in our opinion the color description for the Speckled Sussex is entirely incorrect and unfitting if breeders ever expect to produce a uniformly marked fowl. The Speckled Sussex is a tri-color spangled fowl, combining red, black and white on each feather except in such sections as main tail feathers and sickles of male. This unique color pattern is very beautiful when properly marked, but when the specimen does not possess good marking, the general appearance is very ordinary and for this reason particularly, we believe it very important that breeders should strive to perfect this color and create a Standard which will enable them to do so.

SUSSEX STANDARD

The only other breed which we know of, possessing this color type, is the Mille Fleur Booted Bantam, recently accepted by American Poultry Association as a Standard variety. This breed has been perfected by long years of breeding in Germany, Belgium, Holland and England, and if Sussex breeders care anything at all about color, we would suggest consideration of some of the following statements. We have been breeding this color type since 1911, when we made our first importation of Mille Fleurs and the statements I shall make are founded on past experience. The greatest inconsistency and objection we have in the Sussex Standard is description of tail and wings of male. These are described as follows: Sickles, glossy black, mottled at the tips with white; coverts and lesser coverts, glossy black; main tail feathers, white. Here is the greatest mistake. To breed for pure white main tail feathers means to establish into the breeding lines a tendency to solid white feathers in one part of the body while the other sections are required to be tri-colored in marking. Natural laws of heredity will not permit of such a Standard and the results of breeding to produce a specimen spangled in all parts of the body except tail, will have a tendency to produce solid white feathers in the parts, where the tri-colored markings are called for.

BLACK THE NATURAL COLOR

The correct and natural colored tail for a Black Red fowl is black or dull black in main tail feathers. When the fancier desires this fowl to be spangled or mottled on each feather, it naturally follows that the fewer solid white feathers which appear so much better will the resultant effect be in his breeding operations. Eliminate specimens having solid white feathers in tail or wing and strive to produce them black tipped or mottled with white. I have found in breeding this color type that a

male or female possessing an excess of white in tail or wings had a tendency to produce offsprings which showed solid white or largely splashed effects throughout neck, back and saddle. Such markings are very objectionable and the breeder should strive to produce black in the primaries of wing and main tail feathers and they will naturally become tipped with white if the correct clean cut spangling is obtained in other parts of the body plumage.

Some of the Sussex breeders may claim that the natural tendency at the present stage of development of the bird is to produce white in wing and tail. This I know to be true and it is the one great stumbling block to overcome before breeders of this worthy variety will be able to produce specimens possessing a uniformity of clean cut spangling throughout the entire body. It will never be accomplished if solid white feathers are permitted to exist and are considered a Standard requirement. We have produced Mille Fleur Bantams which were almost ideal in color and marking, and as stated previously they are exactly like the Speckled Sussex in color type except the female which is light golden buff in ground color where the Sussex female is rich deep reddish brown.

S. C. RHODE ISLAND REDS

We have the birds to help strengthen your flock.
For prices and descriptions write

GEO. W. WHITE, HAMILTON, MD.

J. W. ANDREWS

America's Greatest Winning Strain Of WHITE WYANDOTTES

Eggs 1/2 price. Book show birds now. Send Stamp for 24 Page Catalog.

DIGHTON, Box W, MASSACHUSETTS

1913 Palace Champion Barred Rocks

The "Best Of All" prizes, *Best Display* was awarded to *Canavan's Barred Rocks* in the best class of the variety ever exhibited at the Palace N. Y. Show. Stock for sale
P. CANAVAN. PHILMONT, N. Y.

Crockford's Real Indian Runners

The big winners at this season's shows.]

CROCKFORD, BRISTOL, R. I.

BUTTERCUP

EGGS Fertility Guaranteed. Loring (large egg) Strain. Circular free For Hatching. J. S. McBRIDE, BEVERLY, O

SHOW AND BREEDING STOCK



of my great lines. 43 prizes Madison Square. Hundreds of young and old of Rose and Single Comb Brown and White Leghorns. Big birds, large eggs, 276 to 281 records. Be sure and send for catalogue.

W. W. KULP
Box 12, Pottstown, Pa

Lisk's White Wyandottes

A fine lot of yearling males and females at sacrifice prices for quick orders. This is a great chance for you to get some of my Celebrated Winning and Laying Strain at a low cost. Write your wants.

FRED C. LISK,

Box L,

ROMULUS, N. Y.

TILTON'S DEEP WINE REDS

They have brilliancy and lustre. At Rockingham Fair, September, 1914, won 1st and 2nd cockerel; 1st and 2nd pullet; 1st and 2nd hen; 1st and 2nd pen and 5 specials for best Reds in show. At Weymouth, September, 10-11, 12, 1914, 1st and 2nd pullet; 1st and 2nd hen; 1st and 2nd cock; 1st pen. Stock for sale.

A. F. TILTON,

S. C. R. I. Red Specialist,

ROCKLAND, MASS.

Myer's Madison Square Garden, New York, Philadelphia And Hagerstown Winning Line Of BARRED PLYMOUTH ROCKS

Breeding Stock And Eggs For Sale. . . . Ask For Catalog.

C. N. MYERS,

Box B,

HANOVER, PA.

KLINGBEIL PARTRIDGE ROCKS The Great FANCY and UTILITY Strain.

Winners at New York, Boston, Providence and other leading shows. Bred in line for greatest value. Baby Chicks. Some fine breeding Pens and Cockerels for sale. I can please you. Write for mating list

PLEASANT VIEW FRUIT AND POULTRY FARM,

WALPOLE, MASS.

Paul Klingbeil, Prop.,

Secretary and Treasurer Partridge Plymouth Rock Club.

A. B. C. AGAIN SUPREME

At the Rochester Industrial, September 15-20, 1913. The A. B. C. Strain of S. C. Buff Leghorns prove themselves invincible. In a splendid class they win under Judge Bean: Cocks, 1-2; Hens, 1-2; Cockerels, 1-2; Pullets, 1-2; Pens, 1-2. \$10.00 in gold for best display in competition with all varieties in the Mediterranean class. Judges and breeders agreed that never had such a string of Buff Leghorns been shown by any other breeder. Showing the wonderful uniformity of type and color through my flock. 100 cockerels and pullets ready to go in the show room now. Free,—Illustrated Catalogue and price list.

A. B. COX,

49 Thurston Road,

ROCHESTER, N. Y.

The Mille Fleur males are a rich bright red in surface where the Sussex is a rich reddish brown, but both have spangles and marking exactly alike. In wings and tail the Bantams have been bred to produce more black, but they also have a tendency to produce white in these sections. We are continually striving to eliminate this objectionable trait of white in wing and tail, and it must be done if the beautiful uniform spangling free from splashing of solid white feathers is to be retained.

The Sussex is an excellent utility fowl and I realize that much of its popularity rests upon these qualities, but I also know that if the breed is not perfected in color along with utility, it will never hold its own against the many other valuable breeds which American fanciers are perfecting. Probably some Sussex breeders will say, we are not ready for a Standard description approaching the ideal, which seems impossible for several years to come. Our best will not approach such a description. My answer to this is that we must at least point out the line of procedure to produce the ideal and describe the ideal as a Standard and breed up to it. This is especially so when the framers of your Standard description have made the grave error to require solid white feathers in some sections of the body. As an example I refer to the Standard for Red Laced Cornish. These breeders framed and accepted a high ideal in color and type despite the fact that their variety had a long way to go before they could approach the Dark Cornish in type and much improvement to accomplish before they could approach the ideal color description of their Standard. Their Standard is a fitting one and the breed has been making rapid strides toward perfection.

WHITE FAVEROLLE STANDARD

One more subject which seems fresh upon the minds of students of pure bred poultry and especially breeders interested in Faverolles is the late Standard description for the White Faverolles as set forth by the club promoting this new and worthy breed. The present club Standard calls for shanks "slightly feathered or clean". Toes, five, (four not a serious defect). Mr. D. L. Orr, one of the prominent club members and promoters of White Faverolles, remarked to the writer during a recent conversation that the object was to make the Faverolle a utility fowl and to have at least one breed promoted and bred along these lines. Another argument set forth is that many of the original French Faverolles were clean legged and four toed and for that reason there should be no objection to the American Standard being flexible to this extent. We heartily agree with Mr. Orr and his followers on the first point and hope that the White Faverolle will be bred along utility lines, but to the latter statement we beg to differ most emphatically. The original Faverolle as it came from England, where it was perfected as a Standard, has always been known to possess feath-

ered shanks and five toes, but it is only natural to believe that clean legged specimens cropped out which also had only four toes. The true Faverolle is a five toed breed and the fifth toe is an ear mark of French origin acknowledged by most breeders.

The original Faverolle was not of the white variety as it came into England. White Faverolles were first brought into prominence in England and are considered an English production. To call a spade a spade, White Faverolles are not a pure breed, like the original Salmon variety and they possess infusion of foreign blood, which results in the appearance of so many specimens possessing clean legs and four toes. This crossing is also the reason why they are longer in leg and do not possess the Dorking characteristics of the true Salmon variety. If breeders of White Faverolles desire to make a clean legged breed out of their favorites, and if they prefer, or do not object to four toes instead of five, let them give their breed another name, for it appears under such conditions they are not true Faverolles as they have been known for years and recognized under such a Stand-

ard description. The newly revised American Standard of Perfection requires all color and shape descriptions to be definite and does not seem to recognize breeds having flexible Standard requirements such as is offered by the White Faverolle Club and rightly so. No breed should be admitted until a true breed type is established both in shape and color.

MCDONOUGH & BIDWELL

Attention is directed to the advertising of McDonough & Bidwell, Newark, N. Y., who begin their advertising campaign in this issue. These gentlemen breed Black Langshans, Golden and Silver Campines, and that they have the quality in each of these varieties is proven by their recent record at the New York State Fair where they won 1 cock; 2 hen; 1 cockerel; 1 pullet and 1 young pen on Campines. 1 cockerel; 3 pullet; 5 hen; 4 old pen on Silver Campines, and 2 old pen on Black Langshans. They report a very successful season and that they have a large quantity of cockerels and pullets of each variety that will be ready for the coming shows. As a great deal of this stock must be disposed of to make room for the breeding pens, they are prepared to quote very reasonable prices. They would consider it a favor if you mention A. P. W. when writing.

* * * Send for a copy of our new Clubbing Catalogue, now ready for mailing * * *

WHITE ORPINGTONS International Champions **WHITE ROCKS**
Two pens each very select, will spare a few eggs.

HIGHWORTH POULTRY YARDS, LONDON, CANADA
Fred A. Andrewes, Proprietor

TRACEY'S CHAMPION S. C. REDS

have won Blue Ribbons and Championship at Madison Square Garden, the Palace and Boston, both for himself and his customers. Stock for sale.

GEORGE W. TRACEY, KINDERHOOK, N. Y.

BUFF WYANDOTTES YOUNG STOCK FOR SALE
UTILITY AND FANCY

We won A. P. A. Grand Prize Medal for Best in American class at last New York, Palace Show,
THEODORE S. HEWKE, MIDDLETOWN, N. Y.

RIVERDALE LIGHT AND DARK BRAHMAS **S. C. AND R. C. REDS**
WHITE WYANDOTTES **BARRED ROCKS**
S. C. WHITE AND BROWN LEGHORNS

Annual Summer Sale prize winners and utility quality. Bargain list gratis.
RIVERDALE POULTRY FARM, RIVERDALE, N. J.

The World's Best---HARVARD REDS---Rhode Island Reds

Sold on modern, progressive, co-operative plan--get out of a rut. Special sale of breeders now on. Investigate. Give us a trial.
UNITED BREEDERS, Inc. 334 Pond Street, **SO. BRAINTREE, MASS.**

SINGLE COMB WHITE LEGHORNS EXCLUSIVELY

D. W. Young's strain, the finest in the world. 2000 layers on free farm range in four fields. 1000 yearling hens for sale at \$1.00 each in lots of 20 or more. Fine breeding cocks and cockerels at all times. My book, "Profits in Poultry Keeping Solved," price \$1.00, or given free with all \$10 orders. Circulars free.

EDGAR BRIGGS, Box 31, **PLEASANT VALLEY, N. Y.**

"THE FEATHERED WORLD"

YEAR BOOK 1914

An indispensable handbook of reference and comprehensive review of the year for Poultry Keepers and Pigeon Fanciers, 832 pages fully illustrated with photographs of the leading birds of the year. 45 cents in Paper Boards; 80 cents in Cloth Binding.

This book offers an exceptional medium for advertising stock as it goes to fanciers the world over. The charges are very moderate, viz., \$6.00 for a full page advertisement and a copy of the work. Orders should be sent in as early as possible. Illustrations can be inserted in the text at same charge.

Subscription rate to The Feathered World newspaper is \$2.75 a year. Specimen copy free upon application. Address

9 Arundel Street,

Strand, London, England

THE DEFINITION OF UTILITY

By K. M. Turner, West Nyack, N. Y.

(Continued from page 849)

as you would a dog and listened to their contented song? I have been doing this until I am as thoroughly convinced that the White Faverolles should be named "Utility" as I am that I am alive; and believe me, when I say after an experience of nearly a quarter of a century breeding numerous breeds, that it is the bird and the breed that the masses of people of this country will welcome as the truly utility fowl as did the children of old the Prophet who led them out of the wilderness.

I have sent the editor a few snapshots and if they are not too poor they may appear on this page. The little chap came from the shell late in April. She was helped out. In fact that egg was thrown away, but a chirping made us search the basket and after locating the egg we broke it and helped the biggest little White Faverolle out; and on account of her toes being crooked she was later dubbed "Crooked toes". Pictures were taken at various periods of her wonderful growth until on Sept. 2nd she was given the blue at the State Fair in Syracuse as the best pullet, the judge recognizing the fact that toes do not cut ice when meat is demanded, following the only utility standard we know in placing the award. She weighed five pounds and was five months old almost to a day. This time next year I will tell you just how many eggs she has laid in the twelve months.

Show points are all right, be they in poultry or animals, for any purpose. When the farmer who represents the backbone of American progress because of the crops he produces wants a utility horse to raise and harvest these crops, he does not select the one that won first at the Madison Square Garden Horse show. Give the masses, the people of America, the utility hen, the White Faverolle. Preach the gospel of meat and eggs breed for the frame that carries the meat, forget the comb, the toes and the legs as far as they relate to show points and you will in time produce a poultry eating nation who will forget the way to the butcher shop as have the past masters of utility poultry raisers—the Frenchmen.

HOW TO PRODUCE WINTER EGGS

There is great danger of many fine flocks, which it has taken years to breed and perfect, being sacrificed this fall and winter because of the European war situation. This war is causing feed to advance in price, but if it continues it will also cause eggs, poultry and practically all other food products to advance in proportion. Poultrymen will be inclined to become frightened at the high cost of grains and sell off their stock so close that their business will be crippled this winter and next season. The price of eggs is going to be high beyond a doubt. The question with you ought to be "how to get the egg". There will be a great demand next season for eggs and stock for breeding purposes. Then, don't decrease your flock in size so that your business will be crippled.

One winter egg is worth at least three summer eggs. It is up to you to learn the secret of producing winter eggs. One of the lessons issued by the

American School of Poultry Husbandry of Mountain Grove, Mo., prepared by T. E. Quisenberry, director of the Missouri State Poultry Experiment Station and president of this school, treats this subject in an intensely practical manner. It is only one of the twenty-four lessons which comprise the correspondence course offered by them, and which are helping the poultrymen in forty-three states and several foreign countries to turn failure into success. It is a most complete course in poultry husbandry. This lesson on "Feeding for Winter Eggs" is worth the price of the entire course. \$1.00 starts you. Read the advertisements in another part of this paper. Satisfaction is guaranteed or your money back. Mention this paper and write today for the free booklet which tells the whole story.

BONNIE BROOK POULTRY FARM

The Bonnie Brook Poultry Farm, Saratoga Springs, N. Y., are making a specialty of utility S. C. White Leghorns. That their birds have the egg producing abilities is proven by the performance of a pen entered in the present egg laying contest being conducted at Storrs, Conn. This pen at the present time is among the ten leading pens in the contest and upon two or three occasions has held the record for weekly production. While they specialize in utility White Leghorns, they have not lost sight of Standard requirements and during the past season have won many prizes, their most notable achievement being at Boston last winter, where several firsts were placed to their credit. At the recent New York State Fair in one of the best classes of S. C. White Leghorns ever shown at that event they won 3-4 cock; 2-5 pen old; 5 pen young. They have a large quantity of stock on hand in males and females both old and young, and will be pleased to quote reasonable prices to all interested that will mention AMERICAN POULTRY WORLD when writing.

STOCK

Eggs for Hatching. Day Old Chicks.

MOUNT PLEASANT FARM, MOUNT POCONO, PENN

COVERT'S S. C. BUFF ORPINGTONS
Winners at the largest shows and grand Pens mated for Eggs and Baby Chicks. Send for catalogue and learn more about the coming BUFFS.

Harry Covert, Spec., 2500 N. 13½ St., Terre Haute, Ind.

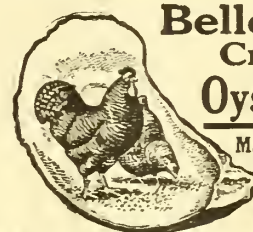
MONMOUTH LEGHORNS PRIZE WINNERS

S. C. White and Buff Leghorns of the best strain of the best egg laying breed. The "20th Century Dual Purpose Fowl." Write for catalogue.

MONMOUTH FARMS, Box 82, FRENEAU, MON. CO. N. J.



HERE IT IS FOR ONLY \$4.00
A GREAT BIG HAND GRINDER
that will furnish 1 to 2 bu. per hour of ground corn, oats, peas, dry bone, etc., for poultry feed. Shipping wt. 40 lbs. Get Circular.
Stover Mfg. Co., 321 Plymouth St., Freeport, Ill.



Belle Brand Crushed Oyster Shells

Make Poultry PAY!

Tests show where these shells have been used—duration of test 22 days—number of eggs, 33; weight of eggs, 1489.6 grammes.

Where Sharp Grits were fed—test 22 days—number of eggs, 8; weight of eggs, 257.6 grammes. This is convincing argument why every poultry house or yard should have them. They'll make hens lay an egg a day, with firm, hard shell—less liable to break in shipment.

Belle Brand Crushed Oyster Shells supply Carbonate of Lime in natural form and acts as a grit, making them superior to any other poultry food on the market. Write for Free Catalogue to

LOUIS GREBB, BALTIMORE, MD.

JIMCRACK HOUDANS

WINNERS TORONTO, GUELPH and BOSTON. Illustrated Mating List.

HARRY TAYLOR, 82 Howard Park Ave., TORONTO, ONT.

TOMPKINS' RHODE ISLAND REDS

Whether you contemplate buying Tompkins' Reds or not you want a copy of my new catalogue. I am not bragging about it but I believe it comes nearer being a real Rhode Island Red catalogue than anything I have seen yet.

LESTER TOMPKINS, Tompkins' Rhode Island Reds, CONCORD, MASS.

GREAT SUMMER SALE AT FERNBROOK FARM

WHITE WYANDOTTES, MAMMOTH PEKIN AND WHITE RUNNER DUCKS

Hundreds of fine breeding birds at one half our regular prices. Don't miss this sale. Remember our birds have won at Madison Square Garden, Albany, etc. For prices write

FERNBROOK FARM, Arthur C. Bouck, Mgr., Menands Road, ALBANY, N. Y.

TOLMAN FRESH AIR STRAIN

White Plymouth Rocks Baby Chicks. The famous south shore soft roaster strain. Price during July, August and September, \$12.00 per 100.

JOSEPH TOLMAN, R. F. D. No. 1, Dept. G. ROCKLAND, MASS.

AURORA COLUMBIAN ROCKS



Winners at Madison Square Garden, January 1913 1 hen, 2-4 cockerel, 4 pullet. Greater Buffalo Show, Nov., 1913;—2-4-5 cockerel, 2 5 pullet, 2-3-4 pen, 5 cock, 5 hen.

AURORA COLUMBIAN ROCKS are grand winter layers, grow rapidly and meet the requirements of the best dressed poultry markets, also possess standard requirements that places them among the winners at leading exhibitions.

I now have choice young stock, either sex, also yearling and 2-year old cocks and hens for sale.

LEW H. BOWN, Box W, EAST AURORA, N. Y.

MODERN METHODS OF POULTRY FEEDING

During the last decade many changes in methods of feeding and caring for poultry have been recorded. Radical changes have been made in the methods of housing while many improvements have been manifest in feeds and manner of feeding.

The English have long had a reputation as conditioners and no doubt we could well copy many of their feeding methods. They have a way of bringing their fowls to maturity in the shortest time possible and, they are also noted as producers of well fattened table poultry. They have also developed laying strains that up to the present time have demonstrated their superiority over American productions. Of course breeding methods influence these things to a great extent, but feeds and methods of feeding play a most important part.

The English poulterer has long recognized that mustard possessed some peculiar value in keeping the birds in prime condition, also in aiding egg production. Fowls appeared in better condition and seemed to have more vim and hustle in them. In other words the action of mustard appeared to be tonic in effect. Noting this a prominent English poultry breeder decided to experiment and after giving the mustard a thorough test was surprised to learn that the pen of fowls to which mustard in small quantities was fed showed greater egg production, higher fertility and kept in better condition than any of the others. The results of the trials were published in the English poultry press and a heavy demand for Poultry Mustard resulted. I say Poultry Mustard advisedly, because the article used was prepared especially for poultry by one of the largest and best known manufacturers in the United Kingdom. Today it is very generally used by English poultry keepers and is added to the rations of growing chicks as well as mature fowls.

A few years ago a New Jersey poultry raiser whose main business was the production of eggs for market learned that good results were being obtained in England from the use of mustard and decided to give it a trial. The results were so satisfactory that he recommended its use in a book that he later published. In fact it was included as a part of the regular feeding formula and as his flocks had gained some prominence for their wonderful egg production readers of this book became much interested in the mustard question and many inquiries were directed to the poultry press in regard to the value of mustard in the poultry yard.

A majority of the editors never having heard of its use in this connection and not being familiar with the experiments conducted in England replied by stating that the mustard was an irritant,—remembering, I suppose, that it was used to promote vomiting in cases of poisoning and for its beneficial effects, as a counter-irritant when applied as a plaster, neither of which are pleasant sensations,—and that it had no value as a poultry food. Many of the same individuals who were so positive of its irritating and deleterious effect when fed to poultry have since investigated its value and are advocating its use. There are still those who have not taken time to look up the nature of mustard and its action on the organs of digestion, that advice against its use. To such I can only suggest that they make inquiry or ask their readers for their experience in feeding mustard. I dare say that they will be quite overcome, not only by the favorable reports but by the extensive use of poultry mustard that will be indicated.

No doubt many having learned of the value of mustard have been unable to secure poultry mustard and have used the ordinary article obtainable at the local grocers. While this, no doubt, has some value it must not be confounded with the scientifically prepared Poultry Mustard that is made especially to meet the needs of the fowl and act as a mild stimulant to digestion, promoting the various processes that the food has to pass through and enabling the different organs to function properly, permitting the fowl to secure the greatest amount of nourishment and store up the full quota of vital force therefrom.

As the writer sees it from what he can learn from investigation and inquiry among various users, mustard has its place in the poultry yard and as soon as poultry raisers become more fully informed upon the question it will find a place in the rations of every well regulated poultry farm.

Anticipating the demand that would arise as soon as American poultrymen learned of its value, Geo. J. French, Pres. of the R. T. French Co., mustard makers, Rochester, N. Y., thoroughly investigated the question and prepared a special Poultry Mustard which is being placed in the hands of poultry supply dealers in all sections of the country. Until Mr. French showed this enterprise a specially prepared Poultry Mustard could not be obtained in America.

This article has been thoroughly advertised in the leading poultry journals and we are advised that the demand has already reached unlooked for proportions.

Also that many inferior and worthless imitations are being foisted on the unsuspecting poultryman as "just as good." Of all these the poultry raiser should beware, as in most cases they consist chiefly of mustard bran, a worthless by product, absolutely without virtue as a poultry feed, the use of which is sure to be a disappointment and lead many to condemn the true

Poultry Mustard. Look into this matter, dear reader; send to the R. T. French Co., Mustard Makers, Rochester, N. Y., for a copy of their free booklet, "Mustard for Poultry," read the claims made for it, also the statements of poultrymen who are feeding it, then insist upon the genuine when purchasing.

DON'T OVERLOOK Whyland Columbian Rocks if you want the winning, laying, paying kind. His record at the recent New York State Fair is proof of quality. Look it up and then write your wants to
A. A. WHYLAND, Box W, CHATHAM, N. Y.

UTILITY the watchword of Galen Farms, breeding operations for years. The result is Gibson Strain White Leghorns' Barred Rocks and R. I. Reds—practical, profitable birds, Chicks, eggs and breeding stock for sale. Write for Catalogue.
GALEN FARMS, Drawer D, CLYDE, N. Y.

\$8.50 Buys 150 Egg Incubator and 150 Chick Metal Brooder. An astonishing offer. Why pay more? Quality guaranteed—satisfaction assured or money returned. Write for details. Rockford Incubator Co., Box 12, Rockford, Ill.

QUICK MONEY Growing Mushrooms. Learn things many growers never knew before, explained in new book, "Truth About Mushrooms." Add \$10 to \$70 a week to your income. Small capital starts it. Demand exceeds supply. Grow in cellars, sheds, boxes, etc. Now is best time. Profits bigger, quicker. Anyone can do it. Send for the book, it's free. Bureau of Mushroom Industry, Dept 131342 N. Clark St., Chicago

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DISEASES and THEIR CURE
FIFTY YEARS EXPERIENCE
OVER 300 PAGES, handsomely bound and full of facts in medicine, symptoms and directions for treatment in each case. To close out the edition, will sell copies at 75 cents each, postage paid. Address
DR. O. H. CRANDALL
QUINCY, ILLINOIS

WHITE PLYMOUTH ROCKS

A few fine yearling hens to close out at \$1.50 each. Cockerels for fall delivery ready soon.
THEODORE POOLE, Box F, DEWITT, N. Y.

== LLENROC REDS WIN AGAIN ==

At the Great New York State Fair in the strongest class of Reds ever shown in the State. Llenroc Reds won first cock in a class of 28; first pullet in a class of 32; first and fifth pens young in a class of 15. Cockerels and pullets to win in any show. Get a Llenroc Red and win.

J. E. HOUCK, HOUCK & ALT, HENRY ALT,
BLACK CREEK, ONT. 87 FULLER ST., BUFFALO, N. Y. BUFFALO, N. Y.

"WATCH THE SUNLIGHT GLISTEN ON THOSE CRIMSON BACKS" THE CRIMSON STRAIN S. C. RHODE ISLAND REDS

500 Exhibition birds now ready. Guaranteed winners. Birds sent C. O. D. on approval by remitting 1/4 amount of order. Any number of birds will be sent to select from. Exhibition birds \$3.00 and up. Satisfaction guaranteed. Utility birds \$1.50 and \$2.00.
CHINA HANCHETT, P. O. VERONA, GREENWAY, N. Y.



MOORE BROS. S. C. WHITE LEGHORNS

Exhibition Stock now ready. Grasp the opportunity to secure stock from one of the greatest winning strains of Leghorns in America. Farm raised, healthy, vigorous. They lay as well as win. Our free catalogue gives full information with description of our 12 matings. Send for copy to-day. Remember that we can supply you with layers or winners.

"You can win with our Strain."

MOORE BROS., Box W, MOSCOW, N. Y.

THE POULTRYMAN'S OPPORTUNITY

By T. E. Quisenberry,

Director Missouri State Experiment Station,
Mountain Grove, Mo.

(Continued from page 855)

We don't advise over-doing the thing. We would not keep a lot of surplus males not fit for sale or use as breeders. Don't keep a lot of drones, or dead beats, or a lot of old hens which have outlived their usefulness. Get rid of all dead weight, but do not become unnecessarily alarmed and sacrifice a valuable flock which is almost certain to make you good money before next season has closed.

NATIONAL EGG LAYING CONTEST

The hens in the National Egg Laying Contest at Mountain Grove, Mo., did almost as well in August as they did in July. The 600 hens in the National contest proper, have averaged 149 eggs per hen in nine months, which is five eggs more per hen than they averaged in twelve months last year. The Leghorn section has done nearly as well, but the utility contest has never done as well as it should have done. The hens have been difficult to keep in condition and they got a poor start at the very beginning.

The total number of eggs for August was 13,909. A Missouri pen of White Leghorns from Marshfield, won the honors for the month by laying 220 eggs and also worked its way up to second place. The England pen is still leading all others by 228 eggs for the whole time. This entire pen of ten hens from England has averaged nearly 200 eggs per hen for the period of nine months. This is better than has been done in any previous contests. A pen of Barred Plymouth Rocks from Ohio has made a splendid record so far and was among the ten highest pens for August and also is among the ten leading pens for the entire period. Two English pens, two New Zealand pens, and one from Australia were among the ten highest for August, also White Wyandottes from Pennsylvania, and White Plymouth Rocks from Texas. S. C. Reds from Missouri are among the ten leading pens but Nebraska has the honor of having the highest individual record. A S. C. White Leghorn laid 218 eggs in nine months. Two barred Plymouth Rocks, one from Iowa and one from Michigan, have laid over 200 eggs each in nine months.

The best pen record made by the representatives from the various countries is as follows:

- S. C. White Leghorns made best English record, 1964 eggs.
- S. C. White Leghorns made best United States record, 1736 eggs.
- S. C. White Leghorns made best Missouri record, 1736 eggs.
- S. C. White Leghorns made best Vancouver Island record, 1516 eggs.
- S. C. White Leghorns made best New Zealand record, 1440 eggs.
- S. C. White Leghorns made best Australia record, 1438 eggs.

White Wyandottes made best Canadian record, 1352 eggs.

S. C. White Leghorns made best British Col. record, 1322 eggs.

S. C. White Leghorns made best South African record, 1143 eggs.

The pens which have made the best records for all times and which stand at the head as the best pens are as follows:

Pen 0, S. C. W. Leghorns, England, 1964 eggs.

Pen 65, S. C. W. Leghorns, Missouri, 1736 eggs.

Pen 79, S. C. W. Leghorns, Pennsylvania, 1722 eggs.

Pen 47, S. C. Reds, Missouri, 1697 eggs.

Pen 18, White Wyandottes, Pennsylvania, 1622 eggs.

Pen 70, S. C. White Leghorns, Missouri, 1610 eggs.

Pen 9, S. C. White Leghorns, Pennsylvania, 1601 eggs.

Pen 59, Barred Plymouth Rocks, Ohio, 1538 eggs.

Pen 61, S. C. White Leghorns, Nebraska, 1521 eggs.

Pen 24, White Wyandottes, England, 1517 eggs.

Several hundred hens were broody

during the month, but in spite of that fact most pens held up very well, and the ten highest for August were as follows:

Pen 65, S. C. White Leghorns, Missouri, 220 eggs.

LOOK UP Curtis' State Fair record on Columbian Wyandottes. The largest class of Wyandottes shown. Said by Judge Orr to be the best he ever handled. If you want some of his winning quality for exhibition or breeding write D. V. G. CURTIS, Box W, BALLSTON SPA, N.Y.

S. D. & R. C. RED SALE

Established strain with an established record. Cocks, hens, cockerels and pullets. All birds shipped on approval. A few good last seasons winners in good condition for sale very reasonable, to make room if taken at once RED POULTRY YARDS, Box W, BETHLEHEM, PA.

H-O POULTRY FEEDS

for a healthy flock and larger profits. They include: H-O Steam Cooked Chick Feed, Intermediate Scratch, Scratch Food, Poultry Feed, Dry Poultry Mash or Chick Food. Write for sample and prices.

THE H-O CO., BUFFALO, N. Y.

Liberal Religious Literature

Will be sent to anyone who is interested

FREE OF COST

Send name and address on postcard to

MISS ANNA SMITH

122 PARK STREET, BUFFALO, N. Y.

NOW IS THE TIME TO BUY SANDS' S. C. WHITE LEGHORNS

As eggs are going to reach a new high mark this winter and Sands' Leghorns are the vigorous healthy bred to lay kind that will pay big dividends on your investment. Write your wants today. I can fit you out with cocks, hens, cockerels and pullets.

LEROY E. SANDS,

Box W.

HAWLEY, PA.

The modern chicken doctor



treats the flock rather than the individual bird. He knows that most of the troubles are flock troubles, though not apparent in all at the one time. He knows that most sickness of Chicks, Chickens or Pigeons comes from infected food and drink, or defective housing. His favorite prescription is Germozone.

Germozone is generally used for flock treatment, though individually where necessary. Thousands give it twice a week regularly, a little in the drinking water. It is a great bowel regulator as well as a germ destroyer and, with chickens as with humans, the bowels largely gauge the health.

Germozone is especially desirable for use during changeable fall weather, warding off illness, which, if permitted a foothold, may drag along all winter, if not immediately fatal.

For Roup, Canker, Swelled head, Sore throat, Sour crop, Loss of feathers, Chicken pox, Bowel complaint, Cholera, Worms, Gapes, etc., Germozone carries a full guarantee with every package.

Germozone is a valuable remedy for all domestic stock

4 oz. bottle (trial size) \$.25 32 oz. bottle (for steady users) \$1.00
12 oz. " (standard size) .50 Gallon " (for large flocks) 3.00

Tablet form 50c per package, post paid. Liquid form sold by most druggists or poultry supply dealers or delivered (in \$1.00 and \$3.00 sizes) prepaid to any express office in U. S. Sample and Booklets Free on Request.



GEO. H. LEE CO.

Omaha, Nebraska

Pen 75, S. C. White Leghorns, England, 214 eggs.
 Pen 102, S. C. White Leghorns, New Zealand, 214 eggs.
 Pen 3, S. C. White Leghorns, Australia, 201 eggs.
 Pen 59, Barred Plymouth Rocks, Ohio, 196 eggs.
 Pen 79, S. C. White Leghorns, Pennsylvania, 195 eggs.
 Pen 0, S. C. White Leghorns, England, 192 eggs.
 Pen 18, White Wyandottes, Pennsylvania, 183 eggs.
 Pen 101, S. C. White Leghorns, New Zealand, 182 eggs.
 Pen 57, White Plymouth Rocks, Texas, 179 eggs.

GET A GOOD BONE CUTTER

The relation of the bone cutter to egg getting is very close. Bone is a necessity for the laying hen. It furnishes the materials she must have to produce eggs. She cannot lay without these materials, and she does not get them in sufficient quantity in her ordinary daily rations.

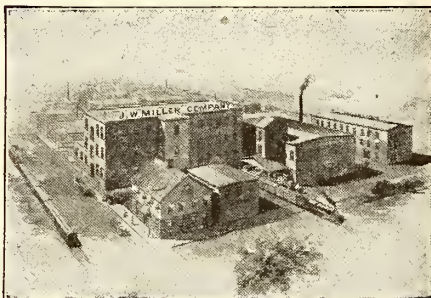
This is particularly true of penned-up hens. The materials must be supplied. And there is no place where these materials can be procured so cheaply and so easily as from the green bones that ordinarily go to waste at the meat market and in practically every kitchen. These bones ought to be turned into money by first turning them into eggs. You would use the bones for that purpose instead of letting them go to waste if you were equipped to prepare them for the hens' use.

That brings us to the bone cutter. Get it, have it always ready and use it daily. Get a good one while you are about it—one that will not break, one that will handle all kinds of bone, one that you will find pleasure in using every day, because it will not wear out in turning it.

The Standard Bone Cutter manufactured at Milford, Mass., is such a

machine. It does not clog or break, turns easily and has become famous as the machine which cuts bones across the grain as well as with the grain. It is made in 12 sizes, the patent improvements for 1914 are superior. The machine gives such certain satisfaction that the manufacturer, the Standard Bone Cutter Co., does not hesitate to send it out on free trial. If you need such a machine, you cannot do better than write the manufacturer about it. When writing about the cutter simply address the Standard Bone Cutter Co., Milford, Mass. Their booklet and full particulars will come on request free.

WHERE THE FAMOUS IDEAL GRAIN SPROUTERS ARE MADE



Here—in this factory—where the wheels are busy day and night, turning out the famous Ideal Grain Sprouters—one begins to get a good idea of the tremendous growth and stability of the poultry business in this country. This is the plant of the J. W. Miller Company, at Rockford, Ill. It covers an enormous area—and is equipped with the most modern machinery for turning out Grain Sprouters, Incubators and Brooders. When Mr. J. W. Miller—the founder of this company—went into the business some twenty odd years ago, the poultry supply and incubator business was one of very short seasons—just a few months each year. Now this organization keeps its full

force at work the year 'round—turning out Ideal Sprouters and other profit-making poultry outfits for the market. If any of our readers are at Rockford at any time, the J. W. Miller Company extends a hearty invitation to visit their plant.

Just at this time of the year the Ideal Sprouter holds the floor in the factory. Poultry men realize that green food is a necessity in Fall and Winter, especially to insure the health and steady laying of hens during cold weather—and as a result, orders for Ideal Sprouters are already coming in at such a rate that the plant is working day and night to keep up. The Ideal Sprouter is a well built product—finished like a piece of furniture on the outside, and lined inside with rustless metal. It is equipped with the famous Ideal Safety Lamp—and is operated very easily.

The Ideal is guaranteed by the makers to fulfill all claims—even to making 3 to 4 bu. of tender green shoots from 1 bu. of grain. Special low prices and literature on the subject will be sent to any address. Mention this paper when writing.

FERNBROOK FARM, ALBANY, N. Y.

Arthur C. Bouck, manager of Fernbrook Farm, Menands Road, Albany, N. Y., advises us that they have an exceptionally large number of high class ducks and drakes in each of their three varieties, namely, Pekin, Indian Runner and White Runner Ducks for disposal and that they would be pleased to get into communication with anyone desiring breeding or exhibition stock of either variety. As an illustration of the quality of these ducks, we will mention that in a large class of Pekins at the recent New York State Fair, Fernbrook Farm was awarded 1-4-5 old drake; 1-2 old duck; 2-3-4 young drake; 1-2-3 young duck; 1-3 old pen; 1-3 young pen, also eight places on Indian Runners and two on White Runners. To those who write at once, some interesting prices will be made.

*** Saves you dollars—Our Clubbing Catalogue—Send a card today, sure ***

American Poultry Association

The poultry industry of this country amounts in the aggregate to One Billion Dollars per Annum. These figures paralyze the imagination.

The American Poultry Association is the largest live stock organization in the world and its membership is increasing with tremendous rapidity. On its roll are the leading breeders and representative poultrymen of Canada and every state in the Union.

Every breeder, fancier, man or woman, in the United States or Canada who is interested in poultry of any kind should join this great organization. On its shoulders rest this gigantic Billion Dollar Industry.

Your interests will be promoted and safeguarded. You may compete for the Association diplomas and gold and silver medals at the shows, and be entitled to all the help that honest organized effort can give you.

You will have a voice in shaping the course and policy of the Association, making it recognized by nations and governments.

Your name should be one of the thousands of honored members of this Association. We urge you to write immediately for information and application blank. Address,

AMERICAN POULTRY ASSOCIATION Mansfield, Ohio

E. B. THOMPSON, President,

S. T. CAMPBELL, Secretary

The American Standard of Perfection

THE STANDARD OF PERFECTION is the official guide for the breeding, mating and judging of all poultry. It gives a close and detailed description of every breed and variety of chickens, ducks, geese and turkeys, with illustrations from living models. This book is published by the American Poultry Association at an enormous expense and is the American Authority. You cannot raise poultry successfully without this American Standard of Perfection. Prices, postpaid from the publisher of this paper: Cloth binding, \$2.00; Leather binding, \$2.50. Send all orders to the American Poultry World, Buffalo, N. Y.



Conducted by William C. Denny

TOLEDO, OHIO, POULTRY SHOW

Without a doubt the best poultry show ever held in Toledo, Ohio, will be the one held by the Tri-State Poultry and Pet Stock Club, Inc., Nov. 30 to Dec. 6, inc. Following are some of the reasons why you should show in Toledo:

1—The show will be held before the cold weather, and there will be no danger from frosted combs.

2—Our judges are Newton Cosh, Frank Conway and J. H. Drevenstedt. Every exhibitor wants judges of a national reputation to place the awards. Can you beat these?

3—Winners at our show can be advertised in the January journals, which are the best media for selling stock.

4—If you have exhibition stock for sale, this show will make the sales for later shows.

5—This show will allow you to mate up your breeding pens for an early season.

6—Premiums will be paid promptly. Last year all premiums were paid by Friday night of show week.

7—Winners at this show can be sold for Chicago and delivered in good time.

8—"You will do better in Toledo".

The list of cash premiums is very liberal and in addition the Tri-State Poultry and Pet Stock Club and the business men of the city have put up a fine lot of silver cups. The classes are not large and it will be an easy matter for you to take home one or more of these beautiful cups. Aside from the money value of your premiums, a winning at Toledo under such judges as those selected will be of great value in future advertising.

Send a postal to A. H. Emch, Sec., today for full information as to premium lists, etc. Address 638 Division St., Toledo, Ohio.

ST. MARY'S SHOW

The St. Mary's Poultry Club, Inc., will hold their second annual show at St. Mary's, Pa., December 15 to 18, 1914.

The St. Mary's show last year was one of the largest exhibitions in the Northwestern section of the state, and the next show bids fair to far surpass the first attempt, both in attractiveness and in the number of its entries.

The following are some of the inducements offered for breeders to show with them:

1—A gold leg band to every winning of firsts in singles where there is competition.

2—\$250.00 in cash prizes.

3—\$400.00 worth of silver cups.

4—\$300.00 worth of merchandise prizes.

5—An egg show—a unique feature—without entry fees and offering liberal cash prizes.

The attractiveness of the foregoing is manifest when we view their entry fees which are 35 cents for singles and \$1.00 for pens.

St. Mary's is located in a flourishing poultry section and business in that line is evidenced by the fact that last year the show was a veritable exchange. The secretary recorded forty-seven individual transfers of stock in a show of four days and many orders were taken and deals made that were not a part of the records of the association. An exhibitor from New York State asserts that over \$100.00 worth of business came to him as a result of the entries at the St. Mary's show.

An effort has been made this year to induce breeders of varieties not generally shown to bring out their stock and the second St. Mary's fair bids fair to be one of the most cosmopolitan bird shows that will be held this year.

If you are interested send your name

and address to F. D. Lambert, Sec., St. Mary's, Pa., and get a premium list and learn what is offered on your particular breed. A new mailing list is being prepared. Do not neglect having your name entered thereon.

CENTRALIA FANCIERS' ASSOCIATION

The Centralia Fanciers' Association will hold "Egypt's Greatest" poultry show at Centralia, Ill., Nov. 18 to 21, 1914. Free entry. 432 silver cups, one \$50 prize and two \$25 prizes. Plenty of specials. 5th annual show. For catalogue write H. M. Barker, Box 342, Centralia, Ill.

BIGLERVILLE, PA.

The Biglerville, Agricultural, Horticultural and Poultry Association will hold their 3rd annual exhibition of poultry at Biglerville, Adams Co., Pa., December 1, 2, 3, 4, 1914. The Biglerville Poultry Show has taken its place as one of the leading shows in the East for the exhibit of fine poultry. The last two years Biglerville has put up the best display of silver cups of any poultry show in the United States, in addition to the large amount of cash premium money paid.

Adams County is becoming the leading section in the United States for the producing of apples for quality and the growers are seeing the importance of having poultry in their orchards to destroy the insects, and they are not satisfied with the common barnyard fowl, but want good thorough bred stock and are willing to pay the price to get same, but they want to see the stock from which they come. The breeder that will exhibit a full line of first class poultry at the next show will be fully repaid with orders during the

coming season that will fully repay him for his trouble coming to this show.

A premium catalogue will be ready about October 15, and any person wishing one or any information write the secretary, O. C. Rice, Biglerville, Pa.

MCDONALD POULTRY ASSOCIATION

The third annual show of the McDonald Poultry Association promises to be a success in every particular. Arrangements are being made to have one of the finest shows in western Pennsylvania, the breeders are hustling and a fine large entry is expected. As this is the first winter show in this part

COLUMBIAN WYANDOTTES

Palace Winners 1913. Splendid exhibition and breeding birds for sale. Hatching Eggs.

Circular Free.

HORSESHOE POULTRY YARDS, HICKSVILLE, N. Y.**FOR SALE**

My breeders of Silver Duckwings; S. C. Buff Leghorns; Silver Penciled Rocks and S. C. R. I. Reds. Some show birds also. Write at once to (Sec.-Treas. National S. C. Buff Leghorn Club) THOS. PEER, CALDWELL, N. J.

**COLORLED BANDS**

All colors, all sizes, Big Black figures on white back ground, Samples 2c. stamp.

A. P. Spiller, Dept. B, Beverly, Mass

THE EVERLAY FARM, METHUEN, MASS.

Largest breeders of White Leghorns in the East. Day Old Chicks, Eggs and Breeding Stock.

Let Me Start You In The Poultry Business

My "PFERLESS 60" is a revolution in incubators,—first practical, all metal, fire-proof, everlasting 60-egg machine ever known. Perfect heating system. For large or small poultry raisers. Delivered anywhere \$4. Write for details. H. M. SHEER CO., 115 Hampshire St., Quincy, Ill

Smith's Single Comb Black Minorcas

My wonderful record of all 5 first prizes in a quality class at Boston, Jan. 12-17, 1914 proves conclusively that I have the quality flock of America. Better prepare for next season by securing some of this winning blood—Several choice cockerels for sale. Send for descriptive catalogue.

Wm. A. Smith, Box 536-W Metuchen, N.J.

CHRISTIE'S S.C. White and Brown Leghorns

Having been bred for fourteen consecutive years—represented all over the World—they stand today without an equal as egg producers, the foundation upon which all branches of the Poultry industry hinges. Before placing your order, write today for our illustrated catalogue, and read what thousands of our pleased patrons say in regard to the WORLD'S GREATEST LAYERS. "Better be right than sorry".

S. C. WHITE and BROWN LEGHORN CHICKS—\$15 PER 100

WAYNE POULTRY FARM, F.W. Christie, Prop., Box 67, STONY POINT, N.Y.

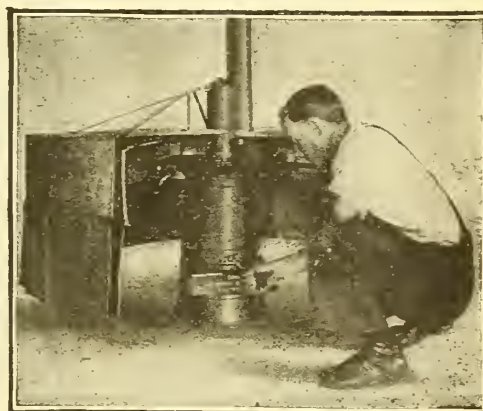
Brood Chicks in Large Flocks

One heater handles several hundred chicks. It is automatically regulated, has a constant ventilation under the hover.

No danger of fire, and it only costs a few cents a day to run a

Candee Coal-burning Colony Heater

Hover swings and it is most convenient for the operator. Coal is fed from a magazine. Heater has a 12-inch grate—ample capacity for any weather. Write today for full details.



CANDEE INCUBATOR & BROODER CO., DEPT. 3, EASTWOOD, N. Y.

THE HEMPSTEAD, LONG ISLAND, SHOW

The third annual show of the Poultry Fanciers' Association of Long Island, Inc., will be held at Hempstead, N. Y., November 10-14. Both preceding shows have been strictly quality exhibitions and limited only by the floor space of the largest halls available. Last year more than 1,500 birds were cooped and as the town authorities have enlarged the Municipal Building, at which place the show is held, many more can and will be accommodated this year. Besides the very liberal cash premiums, 100 silver cups are offered and many good specials (not merchandise). The judges will be W. H. Card, J. Harry Wolseffer, W. J. Stanton, Chas. M. Smith and J. E. Wilmarth on the general classes, and Marcus Allen Northrup will handle the Minorcas, as this has been decided on as the State Meet of the American Black Minorca Club. Premium lists will be sent on request to the Secretary, R. H. Wilcox, Hempstead, N. Y.

ANOTHER PROGRESSIVE AND UP TO THE MINUTE POULTRY ASSOCIATION

We have just received the good news that the Western Wis. Poultry Assn. of La Crosse, Wis., are installing a complete cooping system, which will equal if not surpass any system in the state.

Their next show will be held the first week in December, namely from the first to the seventh inclusive.

Last year their show was a tremendous success, having a registered entry of over twelve hundred birds from all parts of the adjoining states.

Their host of silver cups and cash specials, their fair treatment and prompt execution in the payment of premiums is highly appreciated by the exhibitors and hence it is classed with the leading shows.

This year their entries will far exceed that of last year, as more silver cups, cash specials, etc., will be offered and several new features will be added.

The show will be held in the large and well lighted and ventilated Armory of Company B. The judges will be T. J. Rountree and E. H. Hoffman, using comparison system.

La Crosse has excellent railroad facilities and the three largest express companies which connect with all others, therefore making almost a direct run without any unnecessary delay.

If interested write Secy. Wm. H. Hosschler, and have your name on the mailing list so a premium list can be sent to you when it is off the press.

THE BIG BOSTON SHOW

"The Old Glory Show" is the slogan for the 1915 exhibition of the Boston Poultry Association to be held in the great Mechanics Building, January 12th to 16th. The magnitude of the last show attracted the attention of breeders throughout all America and even across the water and already many who have never exhibited at Boston have signified their intention of making entries at the coming show.

Many specialty clubs have already selected Boston for their annual meet. The American Waterfowl Club are coming and will offer several hundred dollars in cash specials; the American Buttercup Club and the New England Buttercup Club will hold a joint meet and a great showing of these birds is expected. Bantams are likely to come out in force as both the National Bantam Association and the Game and Game Bantam Club have decided to hold their yearly meet at the Hub. The Hamburg Fanciers' Club, the Partridge Wyandotte Club of America and the Crested Fowl Breeders' Association have also selected Boston and other clubs are expected to take similar action.

Boston was the first show to inaugurate a department for live utility fowls and this section will be continued as well as the dressed poultry and egg department.

The Boston Show has grown to such proportions that many space concessions granted heretofore will have to be refused, but the usual space will be

utilized for incubators and poultry supplies.

The premium list will be out about December 1st. W. B. Atherton, Secretary.

THE WHITE CORNISH

It is supposed that this great utility variety originated from "White Sports" among the Dark Cornish nearly forty years ago. Their name has been changed to Cornish as they came from near Cornwall, England, not India.

The first birds I ever saw, over eighteen years ago had white in their ear lobes and were extra fine layers. The Leghorn type has disappeared, but the laying qualities remain.

At the Great Crystal Palace Show in London, England, the largest poultry show in the world, the Cornish has never been defeated for quantity or quality of flesh. A clean sweep for over thirty years. The combination of world's best table and laying breeds, with added advantage in hard protective plumage (found in no other breed), heavy weight, (9 lbs. male, 7 lbs. female), frost proof combs and yellow skin, quiet disposition, strong, vigorous constitutions, is ideal. They certainly stand in a class by themselves. Many testimonials and my own experience for over eighteen years, convinces me that they compare favorably with any breed in the Standard for egg production and beat the best by a mile on the table. Fancy plumage and thousands of dollars worth of advertising will make an inferior breed popular. It's the natural disadvantages in size, combs, plumage, color of skin that reduces the profits in our climate. If you are breeding poultry for your health or amusement, any of the common breeds will do, though they are half comb, feathers and fat. The White Cornish appeals the strongest to the class of up to date practical poultrymen and fanciers. If you are interested in the future money makers without competition in show or utility points, try some White Cornish from a laying strain. Don't forget that the Cornish males crossed on the Leghorns doubles

the size and vigor, and that it costs no more to raise or keep the 8 lb. Cornish than the 3 lb. Leghorn. The difference is in flesh, not the digestive organs. C. Y. Gibbs, in American Cornish Club Catalogue.

* * * Poultry house for all climates and all locations are fully described in "Poultry Houses and Fixtures." The most complete book ever published on poultry house architecture. Fifty cents per copy * * *

\$7.55 For World's Champion 140 Egg Incubator Brooder \$4.85— Both \$11.50. Freight paid E. of Rockies. Write for book, "Hatching Facts" or send price now to Belle City Incubator Co., Box 117, Racine, Wis.

One Gallon of Oil to a Hatch

Send for FREE X-Ray Book No. 61. Tells how to save 75c to \$1.25 every hatch—and get more chicks. X-RAY INCUBATOR CO., Des Moines, Iowa

For High **BARRED ROCKS** at Moderate Quality Prices. My birds will be mated January 1st and after January 10th I will have eggs for hatching. Write C. H. BOSCHEN, ASHLAND, VA.

ROSE COMB BROWN LEGHORNS First Prize Winners at Easton, Allentown, Bethlehem and Nazareth. None better. Some choice cockerels and pullets that can win, very reasonable. Eggs for hatching from pens containing winners \$3 per setting. FEHR & STROHL, R. R. No. 3, EASTON, PA.



TAFT WHITE ORPINGTONS

[Imported]

Win at Hagerstown and Greater Buffalo. Stock and Eggs for sale. Catalogue Free. Taft Orpington Farm, Collins, N.Y.

VIERHELLERS' SUNBURST STRAIN—BUFF PLYMOUTH ROCKS

Our young stock is ready to show. If you want to win at the early shows, we can furnish you the birds to win. Write us at once. 17 Sylvania Ave., PITTSBURGH, PA.

MAPLEGLLEN FARMS S. C. REDS—Tompkins and Scranton Strains

We have a grand lot of cockerels and will price them right to move them now.

J. S. BERGH, JACKSON CORNERS, N. Y.

OAK GROVE POULTRY FARM S. C. WHITE LEGHORNS

Stock and eggs for sale, also have some fine birds for sale. Write us for mating list, also our winners.

OAK GROVE POULTRY FARM, Surfus & Stage, Props., KIMMEL, IND.

Harter's Imperial "Golden" Buff Plymouth Rocks

Win Special for Best Display at the Great New York State Fair Sept. 8-13-1913

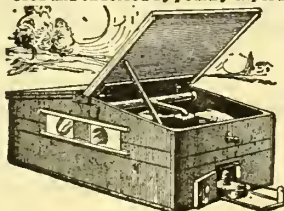
Complete winnings were as follows:—1 cock, 1-3 hen, 3 cockerel, 1 pullet, 2 pen old, 2 pen young. In a class of 115 said by breeders and judges to be the strongest class ever exhibited at the N. Y. State Fair. Do you want some of this quality? It will win for you. I have several hundred head of choice cockerels and pullets now fit for showing. Write me for prices and say when and where you wish to exhibit.

NESCOPECK POULTRY FARM, S. H. Harter, Prop., Box W, NESCOPECK, PA.

Hodgson Portable Poultry Houses

WIGWARM Brooder

Hot-water and hot-air heating combined gives perfect ventilation—no danger of overheating—maintains even temperature regardless of cold outside. Used and endorsed by poultry experts and by experiment stations and such men as Dr. A. A. Brigham, Dr. N. W. Sanborn, Dr. P. T. Woods and Mr. A. F. Hunter. Size, 3x5 feet.



\$15.00

Send for catalogue.

E. F. HODGSON CO.,

Visit our showrooms (Room 320, 116 Washington St., Boston, Mass., and 6 East 39th St., New York)

No. 0 Colony Laying House—

for 12 Hens Fitted complete with nests, fountain and feed trough. Sanitary—easily cleaned. One man can easily care for several hundred birds. Nicely painted—set up in 15 minutes. A comfortable year-round house. In stormy weather the run may be covered, giving a protected scratching room. Size, 10x4 ft., 5 feet high.



\$20.00

Address all correspondence to Boston

AVAIN TUBERCULOSIS

METHOD FOR DETERMINING PRESENCE OF TUBERCULOSIS IN THE FLOCK. DISEASE FIRST DISCOVERED IN AMERICA IN 1900

A method for detecting the presence of Avain Tuberculosis has been worked out by Drs. L. Van Es and A. F. Schalk of the North Dakota Experiment Station.

This is one of the tests that has baffled the best efforts of the scientists. The method of procedure in the application of the test is to inject tuberculin into the malpighian layer in either the comb or the wattles, the latter giving the best reaction. The tuberculin used is made from avain tuberculosis germs. The method is quite accurate; 97% of the fowls that reacted were tuberculous.

Fowl tuberculosis was first found in this country by Pernot in Oregon, 1900, and later by investigations in many other states. The disease exists in North Dakota, though there is no evidence that it was present prior to 1907. It has come to be one of the most prevalent poultry diseases. By means of this new test it can be readily detected and the diseased birds removed.

The result of the investigation are given in Bulletin 108, North Dakota Experiment Station. The bulletin also includes a summary of the available information on fowl tuberculosis and concludes with a bibliography of the literature on this subject. The authors reviewed the literature on avain tuberculosis in nine languages. It has been found that avain tubercle bacillus is very virulent to most of the birds and especially to the domesticated species. The authors fed twelve of the common English sparrows one meal of chopped up tuberculous chicken liver; all died with generalized tuberculosis; two after 73 days, two after 75 days and the others on the 100th, the 104th, the 105th, the 118th, the 128th, the 186th and the 203rd, one on each date.

The avain bacillus is very resistant to external influences, so that an infected poultry yard may remain infected for a long time.

They are quite resistant to the ordinary disinfectants, but succumb readily to heat; direct sunlight destroys them in few hours.

The start of the avain tuberculosis is always from a diseased bird; the introduction of infected live birds is not the only means of transmission of the infection; the trimmings and offal from poultry purchased on the market if thrown where the poultry have access to it, may also transmit the disease if infected.

It has also been found that the eggs from a tuberculous hen may contain the bacillus.

The authors found that avain tuberculosis is essentially a chronic progressive disease; a flock that became infected in 1910 was examined for tuberculosis in 1913; the autopsy showed that 85.71 per cent. of the chickens hatched in 1909 were infected; 86.44 per cent. of those hatched in 1910, 24.35 per cent. of

the 1911 hatch, and but 3.33 of the 1912 birds. This indicates that it does not pay to keep the chickens till they get old.

The authors give the following suggestions for keeping a flock healthy: Use care in introducing new stock; if from questionable sources better tuberculin test; offal from fowls dressed for table uses should be destroyed by burning and especially if from outside sources. The extent to which sparrows and pigeons may carry the disease is not known, but efforts should be made to eliminate them, if it is known that poultry flocks close by are affected with tuberculosis.

When the disease has been introduced into a flock it is advisable to begin culling out all the old stock and tuberculin testing the remainder removing all that react. Then clean and disinfect the quarters and all

eating and drinking utensils. Have the poultry house clean, well lighted and well ventilated, and avoid overcrowding.

There is some evidence that the fowl tuberculosis may be transmitted to other farm animals and especially hogs.

This new test for tuberculosis in poultry is one of the biggest steps that has been made in poultry husbandry; it makes possible the elimination of tuberculosis from this class of stock, and its attendant dangers, as well as the economic loss.

DICTOGRAPH FARM

K. M. Turner, owner of Dictograph Farm, West Nyack, N. Y., believes the White Faverolles to be the coming utility fowl and has accumulated a large flock of choice specimens. The quality of his birds is proven by his recent record at the New York State Fair where he won first cock, first pullet, first cockerel, first young pen, second old pen, third hen.

He also breeds S. C. White Leghorns and in one of the strongest classes ever shown at the State Fair won third old pen, fourth young pen. He has stock of either variety for sale and is also booking orders for eggs for hatching for next season.



Make Your Hens Lay

You can double your egg yield by feeding fresh-cut, raw bone. It contains over four times as much egg-making material as grain and takes the place of bugs and worms in fowls' diet. That's why it gives more eggs—greater fertility, stronger chicks, larger fowls.

MANN'S LATEST MODEL BONE CUTTER

Cuts easily and rapidly all large and small bones with adhering meat and gristle. Automatically adapts to your strength. Never clogs. Sent on 10 Days' Free Trial. No money down. Send for our free books today.

F. W. MANN CO.

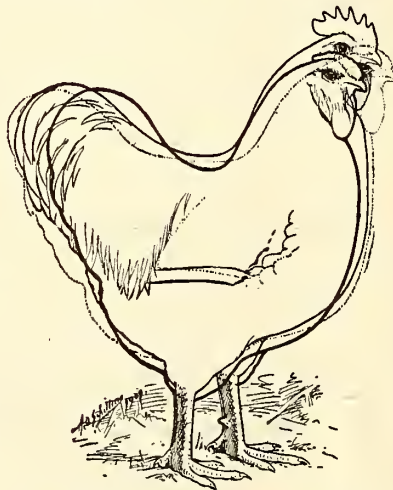
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MILFORD, MASS.



THE PLYMOUTH ROCKS

BARRED, WHITE, BUFF, SILVER PENCILED PARTRIDGE, COLUMBIAN



Specimen Illustration, much reduced.

of Barred, White and Buff Plymouth Rocks in colors. Besides the many half-tone reproductions of noted winners and plates of feathers taken from living models Artist Schilling has prepared a series of sketches that bring out every point of the Plymouth Rock in detail.

Every breeder of Plymouth Rocks any variety should own a copy of this book.

144 pages 9 x 12 inches, price \$1.00 post paid. With one year's subscription to this Journal \$1.25. With three years subscription \$1.75. Canadian subscribers add 25 cts. per year postage. Send all orders to

American Poultry World,

Buffalo, N. Y.

A TEXT BOOK of reliable and authoritative information on America's oldest and most popular variety. Explains standard requirements and tells how to select the breeders and mate for best results. A book for the amateur or professional breeder.

Edited by
WILLIAM C. DENNY

Contributed to by such well known breeders as: E. B. Thompson, Victor Bradley, A. C. Smith, A. C. Hawkins, C. H. Latham, W. S. Russell, M. F. Delano, F. W. Briggs, C. H. Welles, J. H. Parks and others.

Profusely illustrated by Franklin L. Sewell, A. O. Schilling and I. W. Burgess. Three full page illustrations

POULTRY JUDGES AND ENGAGEMENTS, 1914-15

Editor's Note.—Believing that A. P. W. readers would be interested in knowing who was to place the awards at shows held in their section, we have, as far as possible, made a personal request of each judge licensed by the American Poultry Association for a complete list of his or her engagements. To date of going to press, the following have replied:

J. J. Atherton, Emporia, Kansas
Dec. 8 to 11, Greensburg, Kansas; Dec. 14 to 19, Thomas, Okla.; Dec. 29 to Jan. 2, 1915, Dodge City, Kansas; Jan. 3 to 10, 1915, Hutchinson, Kansas.

Geo. H. Burgott, Lawton Sta., N. Y.
November, 1914, Buffalo, N. Y.; Jan., 1915, Jamestown, N. Y.

E. C. Branch, Lee's Summit, Mo.
Nov. 5 to 7, Richmond, Mo.; Nov. 9 to 11, La Belle, Mo.; Nov. 12 to 14, Keytesville, Mo.; Nov. 19 to 21, Concordia, Mo.; Nov. 24 to 28, St. Louis, Mo.; Nov. 25 to 28, Warrensburg, Mo.; Nov. 30 to Dec. 2, Butler, Mo.; Dec. 2 to 5, Kirksville, Mo.; Dec. 7 to 9, Moberly, Mo.; Dec. 11 to 18, Chicago, Ill.; Dec. 13 to 18, Des Moines, Mo.; Dec. 14 to 18, Leavenworth, Kansas; Dec. 16 to 19, Trenton, Mo.; Dec. 31 to Jan. 2, Chillicothe, Mo.; Jan. 6 to 9, Neosha, Mo.; Jan. 11 to 16, Columbia, Mo.; Jan. 18 to 21, West Plains, Mo.; Jan. 20 to 23, Harrisonville, Mo.

W. W. Coats, Vancouver, B. C.
Nov. 16 to 19, Sooke, B. C.; Nov. 25 to 29, Central Park, B. C.; Dec. 7 to 12, Portland, Ore.; Dec. 14 to 19, Bellingham, Wash.; Jan. 5 to 9, Boise, Idaho.

J. C. Clipp, Sattilo, Ind.
Nov. 24 to 29, Du Quoin, Ill.; Dec. 30 to Jan. 2, Bedford, Ind.

Elmer Dixon, Oregon City, Oregon
Dec. 15 to 19, Vancouver, B. C.; Jan. 4 to 9, Victoria, B. C.

Joseph Dagle, Richland, Iowa
Nov. 24 to 28, Shenandoah, Iowa; Dec.

1 to 4, Muscatine, Iowa; Dec. 8 to 12, Waterloo, Iowa; Dec. 15 to 19, Murphysboro, Ill.; Dec. 22 to 26, Ottumwa, Iowa; Dec. 29 to 31, New Providence, Iowa; Jan. 11 to 14, 1915, Bayard, Iowa; Jan. 15 to 16, 1915, Chicago, Ill.

Florence Forbes, New Decatur, Ala.
Nov. 24, 1914, Darlington, S. C.; Nov. 23 to 28, Savannah, Ga.

Thos. S. Falkner, Tiffin, Ohio
Nov. 30 to Dec. 5, Mansfield, Ohio; Dec. 2 to 5, Benton, Ill.; Dec. 8 to 12, Wooster, Ohio; Dec. 14 to 19, Princeton, Ill.; Dec. 30 to Jan. 2, Tiffin, Ohio; Jan. 4 to 9, Flint, Mich.; Jan. 11 to 15, Bay City, Mich.; Jan. 26 to 30, Shelby, Ohio.

Jas. E. Greenwald, Cedarburg, Wisc.
Dec. 9 to 13, Cedarburg, Wisc.; Dec. 17 to 20, Plymouth, Wisc.; Dec. 29 to Jan. 2, Milton, Wisc.; Jan. 20 to 24, Green Bay, Wisc.; Jan. 26 to 29, Manawa, Wisc.

Geo. W. Hackett, North Freedom, Wisc.
Dec. 2 to 5, Two Harbors; Dec. 7 to 9, Pittsville, Wisc.; Dec. 8 to 11, Mans-ton, Wisc.; Dec. 14 to 18, Freeport, Ill.; Dec. 21 to 24, Sussex, Wisc.; Dec. 28 to 31, No. Freedom, Wisc.; Dec. 31 to Jan. 2, Capron, Ill.; Jan. 4 to 8, Madison, Wisc.; Jan. 7 to 11, Sheboygan, Wis.; Jan. 11 to 16, Racine, Wisc.; Jan. 15 to 19, Antigo, Wisc.; Jan. 18 to 20, Barron, Wisc.; Jan. 19 to 23, Superior, Wisc.; Jan. 25 to 27, Augusta, Wisc.; Jan. 27 to 31, Wausau, Wisc.

Chas. G. Hinds, Oakland, Calif.
Santa Rosa, Calif.; Gridley, Calif.; Ukiah, Calif.; Concord, Calif.; Sacramento, Calif.; Riverside, Calif.; Anderson, Calif.; Sacramento, Calif.; Phoenix, Arizona; Willows, Calif.; Oakland, Calif.; San Francisco, Calif.; Vernon, B. C.; Dallas, Oregon; Los Angeles, Calif.

D. T. Heimlich, Jacksonville, Ill.
Nov. 10 to 14, Mount Vernon, Ill.; Nov.

16 to 18, Greenfield, Ill.; Nov. 24 to 26, Mt. Grove, Mo.; Dec. 1 to 2, Albion, Ill.; Dec. 3 to 5, Colchester, Ill.; Dec. 8 to 12, Colorado Springs, Colo.; Dec. 14 to 16, Beardstown, Ill.; Dec. 17 to 19, Jerseyville, Ill.; Jan. 4 to 9, Hutchinson, Kansas; Jan. 11 to 15, Wichita, Kansas; Jan. 19 to 20, Evansville, Ind.; Jan. 21 to 23, Jacksonville, Ill.

S. B. Johnston, Fairland, Ind.
Nov. 30 to Dec. 4, Parsons, Kansas; Dec. 7 to 12, Milledgeville, Ill.; Jan. 6 to 9, 1915, Blue Island, Ill.; Jan. 11 to 16, 1915, Bluffton, Ohio.

J. C. Johnston, Springfield, Ill.
Nov. 25 to 26, Quincy, Ill.; Nov. 23, Sanwich, Ill.; Dec. 1 to 3, Peoria, Ill.; Dec. 3 to 5, Streator, Ill.; Dec. 7 to 8, Forest, Ill.; Dec. 8 to 12, Lincoln, Ill.; Dec. 11 to 16, Chicago, Ill.; Dec. 15 to 17, White Hall, Ill.; Jan. 3 to 4, Elgin, Ill.; Jan. 4 to 9, Springfield, Ill.; Jan. 18 to 23, Danville, Ill.; Jan. 26 to 27, 1915, Sanwich, Ill.

Chas. V. Keeler, Winamac, Ind.
Nov. 24 to 28, Quincy, Ill.; Nov. 30 to Dec. 5, Muskogee, Okla.; Dec. 7 to 11, Goshen, Ind.; Dec. 14 to 18, Three Oaks, Mich.; Dec. 21 to 25, Salem, Ohio; Dec. 28 to Jan. 1, Canton, Ill.; Jan. 5 to 8, Lake Geneva, Wisc.; Jan. 11 to 15, Carbondale, Ill.; Jan. 15 to 17, Chicago, Ill.; Jan. 18 to 22, Denver, Colo.; Jan. 26 to 30, Havana, Ill.

H. B. Lansden, Manchester, Tenn.
Fayetteville, Tenn.; Winchester, Tenn.; Murfreesboro, Tenn.; Shelbyville, Tenn.; South Pittsburg, Tenn.; Tus-cumbia, Alabama; Decatur, Ala.; Montgomery, Ala.; Gunter'sville, Ala.; Jackson, Tenn.; Jacksonville, Fla.

D. J. Lambert, Kingston, R. I.
Nov. 24, Mansfield, Mass.; Dec. 1, Providence, R. I.; Dec. 8, Milford, New Hamp.; Dec. 15 to 17, Berwick, Me.

F. J. Marshall, College Park, Ga.
Nov. 9 to 14, Macon, Ga.; Nov. 16 to 21, Columbus, Ga.; Nov. 23 to 28, Ocala, Fla.; Dec. 7 to 12, Chattanooga, Tenn.

J. W. Mulinix, Toledo, Ohio
Bellefontaine, Ohio; Gibsonburg, Ohio;

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A. O. Schilling

F. L. Sewell

I. W. Burgess

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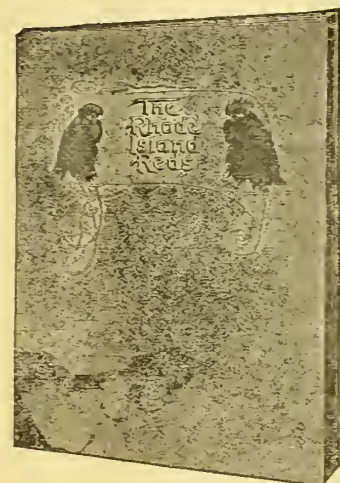
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Judging Rhode Island Reds by Comparison and Score Card.

CONTRIBUTORS

The contributors to this book are the acknowledged leading breeders and judges of the country. They include such men as Tompkins, Harris, Almy, Buschmann, Sibley, Rich, Miles, Harrison, Kauffmann & Windheim, Burleigh, Crowther, Coulter, Coe, Scott, Carver, Ricksecker, Smith, Hartley, Coffin, Dennis, Clarke, Drenstedt and Denny.



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Detroit, Mich.; Battle Creek, Mich.; Wyandotte, Mich.; Sturgis, Mich.; Adrian, Mich.

J. H. Minshall, Brantford, Ont.
Nov. 2 to 6, Ingersoll, Ont.; Nov. 23 to 27, Brantford, Ont.; Thanksgiving Week, London, Ont.; Dec. 1 to 3, Hanover, Ont.; Dec. 8 to 11, Vernon, B. C.; Dec. 16 to 18, Brampton, Ont.; Dec. 28 to 29, Berlin, Ont.; Dec. 30 to 31, St. Thomas, Ont.; Jan. 5 to 6, Peterborough, Ont.; Jan. 11 to 13, Glenora, Ont.; Jan. 13 to 16, Sarnia, Ont.; Jan. 19 to 21, Thedford, Ont.; Jan. 28 to 29, Kimberly, Ont.

B. W. Mosher, Johnston, N. Y.
Nov. 10, 1914, Gloversville, N. Y.; Dec. 9, 1914, Catskill, N. Y.

Calvin Ott, Prophetstown, Ill.
Nov. 24 to 25, Wayland, Iowa; Dec. 1 to 5, Ft. Dodge, Iowa; Dec. 7 to 9, Alton, Ill.; Dec. 15 to 18, Redfield, S. Da.; Jan. 14 to 18, 1915, Chicago, Ill.; Jan. 18 to 20, Orangeville, Ill.

W. S. Russell, Ottumwa, Iowa
Nov. 12 to 15, San Mateo, Calif.; Nov. 23 to 28, Oakland, Calif.; Dec. 1 to 5, Pasadena, Calif.; Dec. 8 to 12, Phoenix, Ariz.; Dec. 14 to 19, Fresno, Calif.; Dec. 23 to 26, Aberdeen, Wash.; Dec. 29 to Jan. 2, Tacoma, Wash.; Jan. 6 to 12, Los Angeles, Calif.

T. J. Rountree, Nora, Ill.
Nov. 23 to 28, Independence, Iowa; Nov. 30 to Dec. 5, La Crosse, Wisc.; Dec. 7 to 12, Monroe, Wisc.; Dec. 14 to 18, Freeport, Ill.; Dec. 16 to 19, Waupaca, Wisc.; Dec. 28 to Jan. 2, Elizabeth, Ill.; Jan. 4 to 9, Watford, Wisc.; Jan. 19 to 23, Plattville, Wisc.; Jan. 25 to 29, Beloit, Wisc.

E. W. Rankin, Topeka, Kansas
Dec. 7 to 12, Topeka, Kansas; Dec. 7 to 12, Olathe, Kansas; Jan. 10 to 16, 1915, Kansas City, Mo.; Feb. 14 to 20, 1915, Madison Square Garden, N. Y.

Chas. M. Smith, Sayville, N. Y.
Dec. 1 to 5, Palace Show, New York City; Sayville, N. Y.; Hempstead, L. I., N. Y.

John C. Snyder, Topeka, Kansas
Nov. 16 to 21, Hot Springs, Ark.; Nov. 26 to 28, Bingham, Kans.; Dec. 1 to 5, Pawnee Rock, Kans.; Dec. 7 to 9, Caldwell, Kans.; Dec. 9 to 12, Clay Center, Kans.; Dec. 14 to 19, Neodesha, Kans.; Dec. 22 to 26, Garden Centre, Kans.; Jan. 5 to 9, Solomon, Kans.

Daniel P. Shove, Fall River, Mass.
Rutland, Vt.; St. Albans, Vt.; Enosburg Falls, Vt.; New Bedford, Mass.; Brackton, Mass.; Norwood, Mass.; Lincoln Park, Mass.; Beverly, Mass.; Providence, R. I.; Westerly, R. I.; Bristol, R. I.; Manchester, N. H.; Lebanon, N. H.

F. H. Shellabarger, West Liberty, Iowa
Atlantic, Iowa, Dec. 1 to 5; Clarinda, Iowa, Dec. 8 to 12; Chicago, Ill., Dec. 11 to 16; Des Moines, Ia., Dec. 12 to 17; Glad Brook, Ia., Dec. 14 to 16; Bowden, Ia., Dec. 16 to 18; Osceola, Ia., Dec. 17 to 19; Maquoketa, Ia., Dec. 21 to 27; Grinnell, La., Dec. 28 to Jan. 2 1915; New London, La., Jan. 1 and 2; Oelwein, La., Jan. 4 to 9; Seattle, Wash., Jan. 12 to 17; Muskegon, Mich., Jan. 19 to 24; Mitchell, So. Da., Jan. 26 to 30; Burlington, Iowa, Feb. 2 to 6.

Adam Thompson, Amlty, Mo.
Nov. 19 to 21, Severance, Kansas; Nov. 16 to 18, Joplin, Mo.; Nov. 24 to 27, Quincy, Ill.; Dec. 24 to 30, Mountain Grove, Mo.; Dec. 2 to 5, King City, Mo.; Dec. 14 to 19, Hobart, Okla.; Jan. 4 to 9, Enid, Okla.; Jan. 11 to 16, Wichita, Kansas, Jan. 18 to 23, Hastings, Nebr.

I. C. Taylor, Gibsonburg, Ohio
O'Fallon, Ill., Dec. 8 to 10; Chicago, Ill., Dec. 11 and 12; Uniontown, Pa., Dec. 15 to 18; Traverse City, Mich., Dec. 21 to 24; New Castle, Pa., Dec. 28 to 31; Fostoria, Ohio, Jan. 5 to 8; Bryan, Ohio, Jan. 21 to 23; Indianapolis, Ind., Feb. 2 to 5.

C. P. Van Winkle, Dallas, Texas
Lake Charles, La., Nov. 23 to 28; Arlington, Texas, Nov. 17 to 19; Muskogee, Okla., Nov. 30 to Dec. 5; El Paso, Texas, Nov. 27 to 30; Jennings, La., Dec. 15 to 19; Cleburne, Texas, Dec. 8 to 11; Alexandria, La., Dec. 9 to 13; Corpus Christie, Texas, Jan. 14 to 16.

Geo. M. Wells, Oshkosh, Wisc.
Dec. 11 to 16, Chicago, Ill.; Dec. 16 to 18, Pontiac, Ill.; Dec. 29 to 31, Hoopes-

ton, Ill.; Dec. 3 to 5, Manitowoc, Wisc.; Jan. 3 to 7, Kalamazoo, Mich.; Jan. 12 to 14, Mineral Point, Wisc.; Jan. 18 to 21, Waukesha, Wisc.; Jan. 20 to 23, Oshkosh, Wisc.; Jan. 7 to 10, Green Bay, Wisc.; Jan. 28 to 31, Appleton, Wisc.; Jan. 25 to 28, Sun Prairie, Wisc.; February, Wild Rose, Wisc.

W. Theo. Wittman, Allentown, Pa.
Charlotte, S. C.; Lexington, Ky.

Geo. W. Webb, Rochester, N. Y.
Greater Buffalo Show; Auburn, N. Y.; Latrobe, Pa.; Erie, Pa.; Wadsworth, Ohio; Kane, Pa.; Pittsburgh, Pa.; Bloomsburgh, Pa.; Monongahela, Pa.

Henry C. Dipple, Indianapolis, Ind.
Nov. 30 to Dec. 5, Muskogee, Okla.; Dec. 30 to Jan. 3, Hammond, Ind.; Jan. 11 to 16, Cedar Rapids, Ia.; Jan. 20 to 22, LaPorte, Ind.; Jan. 25 to 28, Beaver Dam, Wisc.; Jan. 29 to 31, Appleton, Wisc.; Feb. 16 to 20, Orlando, Fla.

Harry W. Atkins, Davenport, Iowa
Jan. 18 to 25, Galesburg, Ill.

Thomas M. Campbell, Darlington, Ind.
Dec. 14 to 19, Urbana, Ill.; Jan. 20 to 24, Green Bay, Wisc.; Jan. 25 to 30, Eaton, Ohio.

Harry H. Collier, Tacoma, Wash.
Nov. 24 to 28, Trail, B. C.; Jan. 5 to 9, Couer D'Alene, Idaho.

J. E. Gault, Chippewa Lake, Ohio
Charleston, W. Va., Nov. 23; Sandusky City, Ohio, Dec. 31 to Jan. 6; Struthers, Dec. 28 to Jan. 2; Cleveland, Jan. 4 to 9; Columbus, Jan. 9 to 13; Massillon, Jan. 12 to 16; Youngstown, Jan. 19 to 23.

D. E. Hale, Chicago, Ill.
Nov. 16 to 18, Golconda, Ill.; Nov. 25 to 26, Quincy, Ill.; Dec. 1 to 5, Peoria, Ill.; Dec. 5 to 7, Dyersville, Iowa; Dec. 9 to 10, Richland, Iowa; Dec. 11 to 15, Indianapolis, Ind.; Dec. 16 to 17, Whitehall, Ill.; Dec. 22 to 23, Ottumwa, Iowa; Dec. 29 to Jan. 2, Champaign, Ill.; Jan. 3 and 4, Elgin, Ill.; Jan. 4 to 8, Madison, Wisc.; Jan. 11 to 16, DeKalb, Ind.; Jan. 19 to 22, Ft. Wayne, Ind.

V. O. Hobbs, Mountain Grove, Mo.
Nov. 16 to 19, Palmyra, Mo.; Nov. 19 to 21, Canton, Mo.; Dec. 2 to 4, Wells-ville, Mo.; Dec. 14 to 18, Mercer, Mo.; Dec. 16 to 19, Trenton, Mo.; Jan. 11 to 16, Kansas City, Mo.

Geo. H. Northrup
Dec. 1 to 5, Paulding, Ohio; Dec. 9 to 11, Oconomowoc, Wisc.; Dec. 14 to 19, Bucyrus, Ohio; Dec. 21 to 26, Manistee, Mich.; Dec. 29 to Jan. 3, Terre Haute, Ind.; Jan. 6 to 9, Newark, Ohio; Jan. 11 to 16, Defiance, Ohio; Jan. 18 to 23, South Bend, Ind.; Jan. 27 to 30, Zanesville, Ohio.

Chas. H. Rhodes, Topeka, Kansas
Nov. 18 to 20, La Plata, Mo.; Nov. 24 to 26, St. Louis, Mo.; Dec. 3 to 5, Osborne, Kans.; Dec. 7 to 11, Fremont, Nebr.; Dec. 14 to 16, Beaver, Neb.; Dec. 17 to 19, Pawne City, Neb.; Dec. 21 to 23, Falls City, Neb.; Dec. 29 to 31, Jackson, Mich.; Jan. 4 to 9, Springfield, Ill.; Jan. 11 to 16, Rockford, Ill.; Jan. 18 to 22, Hastings, Neb.

James A. Tucker, Concord, Mich.
Nov. 24 to 27, Buffalo, N. Y.; Dec. 5 to 10, Guelph, Ont.; Dec. 7 to 9, Menominee, Mich.; Dec. 11 to 13, Chicago, Ill.; Dec. 15 to 18, Spokane, Wash.; Dec. 29 to 31, Elkhorn, Wisc.; Jan. 7 to 10, St. Paul, Minn.; Jan. 11 to 14, Cedar Rapids, Iowa; Jan. 18 to 23, Denver, Colo.; Jan. 22 to 25, Lansing, Mich.; Jan. 15 to 17, Fond du Lac, Wisc.; Jan. 27 to 29, Woodville, Ohio; Feb. 2 to 5, Duluth, Minn.; Feb. 10 to 13, Calumet, Mich.

D. W. Young, Monroe, N. Y.
D. W. Young, Monroe, N. Y., than whom there is no better known breeder of White Leghorns in the world, has a change of advertising in this issue. Readers familiar with the run of events know of Mr. Young's success at the Great Madison Square Garden show, where he has probably won more first prizes than any one breeder of Leghorns living or dead.

At the present time Mr. Young has hundreds of yearling hens of his noted strain for sale at prices ranging from \$2.00 up and also reports the grandest lot of cockerels he ever offered for sale. His ad appears on page 877, look it up and kindly mention A. P. W. when writing.

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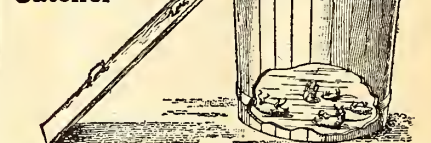
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Catcher 8 inches high, for mice only, prepaid for \$1.
H. D. SWARTS, Inventor and Manufacturer, Scranton, Pa.

3rd ANNUAL INTERNATIONAL EGG LAYING CONTEST

THE STORRS AGRICULTURAL EXPERIMENT STATION
REPORT FOR THE MONTH ENDING AUGUST 31st, 1914

Perhaps the most interesting development in the egg laying contest at Storrs for the month of August was the fact that an American pen of White Leghorns owned by Francis F. Lincoln of Mt. Carmel, Conn., passed the English White Wyandottes and is now leading them by a margin of 21 eggs. The performance of this Connecticut pen of Leghorns is particularly interesting on account of the fact that Barron's birds have indiscriminately led all of the American egg laying contests since their inception three years ago. As is likely to happen, of course, to any breeder he has in one or two cases suffered the loss of a bird at a critical moment and has thus been thrown out of the race. In general, however, his birds have performed so well that many poultry breeders have conceded that it was not worth while to enter a competition with the expectation of winning if Barron's birds were in the same competition. Hence the Agricultural College at Storrs is particularly pleased to record the fact that a pen of birds reared in its own state is able to produce as many eggs as birds that come to us from England. In other words it is not believed that the Englishman has any corner on the matter of producing hens that will lay eggs. There are just as good breeders in the state who need only to exercise perhaps a little additional care in the matter of selection, feeding, and breeding, in order to be able to successfully compete with birds from abroad.

A good deal has been said of course about the matter of egg type, and while egg type can perhaps be identified by the ultra expert breeder the average poultryman will undoubtedly find it necessary to connect up the trapnest with his breeders in order to know the performance of his birds.

Mr. Barron does not believe in giving up until the last day of the contest. When it was said to him on his recent visit to the College that these Connecticut Leghorns would in all probability pass his Wyandottes he said that this fact alone did not disturb him; that if these Leghorns did not succeed in getting more than 50 eggs ahead during September he would win during the month of October.

The prize honors for the month of August were as follows: The blue ribbon or first went to Tom Barron of England whose Leghorns produced 238 eggs. The second prize was also won by White Leghorns owned by Bonnie Brook Poultry Farm, Saratoga, N. Y., with a yield of 232 eggs, while Francis F. Lincoln of Mt. Carmel, Conn., won third with his Leghorns that yielded 223 eggs for the month.

The ten best individual scores to date are as follows:

Pen 16, Conn White Wyandotte, 217 eggs.

Pen 40, Experimental White Leghorns, 217 eggs.

Pen 14, English White Wyandotte, 211 eggs.

Pen 20, Mass. Buff Wyandotte, 203 eggs.

Pen 53, Conn. White Leghorn, 193 eggs.

Pen 16, Conn. White Wyandotte, 196 eggs.

Pen 17, R. I. White Wyandotte, 196 eggs.

Pen 33, Massachusetts R. I. Red, 195 eggs.

Pen 53, Conn. White Leghorns, 195 eggs.

Pen 53, Conn. White Leghorn, 195 eggs.

It is interesting to note in this connection that the two leading individuals represent two very different breeds, namely, Leghorns and Wyandottes, which are tied for individual honors at this the end of the tenth month of the contest. Neither of these individuals can hope to equal the record of 282 eggs made last

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BLUE ANDALUSIANS
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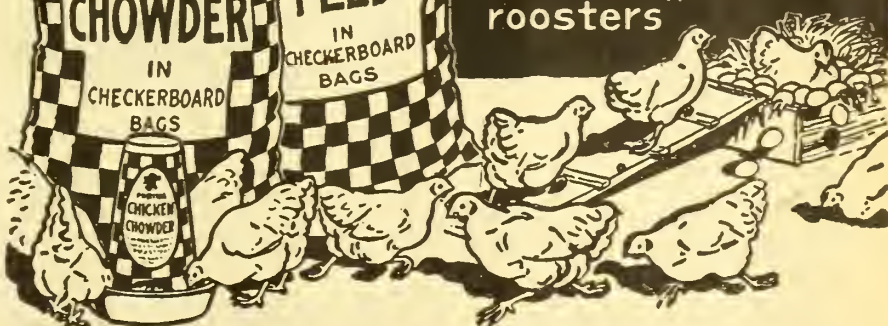
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year, thus establishing a record for American egg laying contests. Both of these individuals are, however, 13 eggs ahead of the best individual record in the first contest held at Storrs, which went to a Rhode Island Red hen from Kentucky with a yield of 254 eggs.

In going over the feed records it is interesting to note the consumption of grain by some of the pens. The Experimental Pen of Leghorns that has had no beef scrap since the contest opened has consumed the following amounts of feed during the first six months of the contest:

Mash,	125 lbs. at \$2.00...	\$2.50
Grain,	275 lbs. at 1.75...	4.81
Milk,	284 lbs. at .50...	1.42

8.73

This pen of birds during this same period laid 79 3/4 doz. eggs which at an average price of 30c per dozen are worth \$23.93, thus it will be seen that there is considerable margin over cost of feed and egg yield when birds produce at this rate. To be sure these figures do not include the grit, shell, charcoal and mangel beets.

The management of the contest is receiving inquiries from time to time from breeders who want to buy cockerels from pedigreed stock. The time is undoubtedly near at hand when the careful breeder will want to know how many eggs have been laid by the mother of the cockerel he buys to head his breeding pen. In improving one's stock some investigators have maintained that selection for vigor and vitality was of primary importance. On the other hand the very fact that any hen can lay 200 eggs or more in the course of twelve months is prima facie evidence of constitutional vigor.

All of the hens in the laying contest are being given about as much feed now as they received during the heaviest laying. The molting season is at hand and it is deemed advisable to feed birds well in order that they may grow new feathers without impairing their strength. It is believed that pullets just about to come into laying should of course be well fed at this season of the year. Although the days and nights are cool the birds in the competition are being watered twice daily and an abundant supply of green food is being furnished in order that these birds may be kept in condition until the end.

The ten leading pens to date are as follows:

Storrs Experiment Station, Pen 42 *
White Leghorns, 1860.
Francis F. Lincoln, Mt. Carmel, Conn., White Leghorns, 1838.
Tom Barron, Catforth, England, White Wyandottes, 1817.
Tom Barron, Catforth, England, White Leghorns, 1749.
Merrythought Farm, Columbia, Conn., White Wyandottes, 1656.
Neale Bros., Apponaug, R. I., White Wyandottes, 1648.
P. G. Platt, Wallingford, Pa., White Leghorns, 1571.
A. B. Brundage, Danbury, Conn., S. C. Rhode Island Reds, 1563.
Bonnie Brook Poultry Farm, Saratoga, N. Y., White Leghorns, 1550.

Cecil Guernsey, East Cobleskill, N. Y., White Leghorns, 1537.

Marwood Poultry Farm, Butler, Pa., White Leghorns, 1529.

*Not in competition.

Wm. F. Kirkpatrick.

HOW TO FEED TO FILL THE EGG BASKET

One of the biggest problems confronting the poultryman is not only to feed the hen enough to maintain herself, but to give the kind of food that will make eggs—and plenty of them.

The beginner is apt to neglect this phase of the question, especially now, and in consequence does not get near so many eggs as the hen is capable of laying.

At this time of the year, when foraging days are over, the laying hen gets pretty tired of getting dry mash of wheat and corn and such. She gets tired of the same taste and as a result doesn't eat more than enough to keep alive. And if she doesn't eat barely more than enough to maintain herself, no one can expect many eggs or expect her to fatten up.

The most important element in the ration of the laying hen is vegetable food. It's the kind of feed they like. During the Spring and Summer, when they can forage and get all they want, no one complains about their laying ability. So, logically, one must keep on feeding the hens green feed all Fall and Winter to get plenty of eggs.

To overcome the Fall and Winter problems of daily supplying green food necessary to the health of fowl and their prolific egg production, the Reliance Incubator Company has perfected a Grain Sprouter, which produces the very best green feed for poultry.

The advertisement of this concern appears on page 880. It would be well for all to read it and send for literature which tells more about the feeding of green sprouts. The concern manufacturing this grain sprouter is located at Freeport, Ills., and operates under the name of the Reliance Incubator Co. Write Dept. 24 for information and prices.

SPECIALS OFFERED BY THE AMERICAN WHITE ORPINGTON CLUB

The American White Orpington Club is offering this season at all of the poultry shows in the country, handsome white silk club ribbons with gold fringe, for the best cocks, cockerels, hens and pullets, and an engraved medal for best pen, and at many of the state shows beautiful silver cups.

To compete for any of these specials, you must be a member of the club in good standing with all dues paid in full. The initiation fee, which includes the first year's dues, is only \$1.00, or life membership \$5.00. Application blanks, club book and full information can be had of the Secretary, F. S. Bullington, Box 328, Richmond, Va.

*** A dollar saved is a dollar earned. Earn a dollar by sending your order for magazines to us ***

HOUDANS We are making attractive prices on stock during the summer months.

Let us name you prices.

JAS. ABERNETHY, Box W, WEST PEMBROOKE, ME.



RAISE EVERY CHICK
on
"HEN-E-TA-HEN-O-LA"
The
Phosphatic-System!

The more phosphorus in the egg and the more phosphorus in the egg-shell, the greater the fertility, the better the hatch and the harder the new-born chick.

The Hen-e-ta-Hen-o-la System eliminates all bowel-trouble; reduces mortality to a minimum; grows and develops the chicks faster and cheaper into strong, rugged, healthy "egg-producing" birds.

Ask your dealer or write us for new booklet, entitled: "The Successful Way to Grow Little Chicks."

HEN-E-TA BONE CO.,

Dept. W.

Newark, N. J.

EAGLE BAY - - SINGLE COMB WHITE LEGHORNS

Cockerels and Pullets one dollar each and up, some for the early shows.

EAGLE BAY FARM, F. A. House, Mgr. Poultry Dept., SILVER CREEK, N. Y.

Brood Your Chicks 30 Days FREE!



**1,500 Chicks
around one stove**

Also small size stoves.
No hovers to bother about. No gas, no fumes, no ticks, no smoke. All bother and worry gone. Losses reduced to a minimum.

Use this wonderful new Simplex Brooder Stove in your own brooder house 30 days absolutely free. Write for free Brooder Book fully explaining offer. Try the stove under all conditions. Make any test you know of. Then, at the end of 30 days, if you are not delighted send it back and we'll cheerfully refund your money. You alone are the judge.

Turns Losses to Profits

This wonderful new brooder will raise 50 per cent more of your chicks than you have been able to raise by old-fashioned methods. No more deaths from white diarrhoea and poor ventilation. It turns the losses from dead

chicks into big profits for you. The Simplex soon pays for itself by extra money it makes.

Saves Labor and Expense

The Simplex Brooder Stove means one-tenth as much work—costs one-fourth as much to operate as any other system. It is self-regulating—needs no watching—eliminates all worry. Try it 30 days free.

Send for

Free Brooder Book

Send today for valuable book that tells how to "Increase your Profits by Decreasing Mortality"—absolutely free. It tells how to solve your brooding problems. It tells how to save the chicks that you have been content to lose every year through disease and faulty brooding—how to make twice as much money from your poultry. Also catalogue and complete details of the wonderful Simplex Brooder Stove and our 30-day free trial offer. Sent to you absolutely free. Send today.

Simplex Brooder Stove Co., 3827 Fourth St., Grand Rapids, Mich.

FERRIS IMPROVED WHITE LEGHORNS

Attention is called to the advertising of Ferris Leghorn Farm, Grand Rapids, Mich., on another page of this issue. Most of our readers have heard of Ferris Improved White Leghorns and the remarkable success Mr. Ferris has had in combining laying and exhibition qualities.

The high price of meats and other

33 first prizes in thirteen big shows.

His 1914 catalogue gives a complete list of winnings. This year at the North Dakota State Fair, held at Fargo, in July, Ferris Leghorns won every first prize and out of ten entries made, nine prizes were awarded. At the Greater Michigan Fair, at Grand Rapids, they won 1-2 cock; 1-2 pullet; 1-2 cockerel; 1-2 hen; 1-2 pen. Every bird shown won a premium.

The views given of Ferris Leghorn

several hundred to sell, there are several hundred early hatched cockerels and pullets that have the quality to win in strong competition and are also bred from record layers. He also has a splendid lot of cockerels and pullets, bred for utility purposes alone, that are from heavy laying stock and will make a splendid foundation for any one contemplating starting an egg farm. A special discount of 10 per cent. is allowed on all orders placed for shipment before Nov. 1st, as Mr. Ferris writes that he would rather sell now at these reduced prices than to wait until later when he has this stock in winter quarters.

During the past year Mr. Ferris has shipped birds to Germany, Scotland, Trinidad, Bermuda, Cuba and Mexico, and in every case they have been satisfactory. Every bird is sold under the Ferris selling plan, a method that gives the buyer much greater protection than has ever been considered possible before. Service to the customers is the first and most important point in this guarantee. In addition to the usual method of allowing the return of birds that are not satisfactory, Mr. Ferris insures them for 30 days and if any birds die within that time, he replaces them free of charge and also permits the return of any birds that contract colds or show any signs of sickness during the 30 days. Every customer must be fully satisfied.

As stated before, it will probably be years before the prices of eggs and poultry will be as low as they have been in the past few years. Now is the time to start in the poultry business in order to make a success. While the prices of feed may possibly be a little higher, the price of eggs will be so much higher than in the past that one is sure to make a success if he gives the business the proper attention. There is no better time than right now to get your foundation stock for your flock, and an investment in laying stock at this time will pay you big dividends. A man with a few hundred hens and a small piece of land is independent. He doesn't lose his job because there is a war over in Europe, or because some one down on Wall Street creates a panic. There is no breed that can compare favorably with the S. C. White Leghorns when it comes to egg farming. Write the Ferris Leghorn Farm, Geo. B. Ferris, Mgr., 908 Union Ave., Grand Rapids, Mich., for their 80 page catalogue and full information about this strain.

*** For Magazine bargains you should send for a copy of our Clubbing Catalogue ***



A corner of the Ferris Leghorn Farm, Grand Rapids, Michigan, showing how shade is provided by planting fruit trees in the runs. Fruit and poultry are a money making combination and this farm has passed the experimental stage long ago.

food stuffs this fall is bound to make the price of eggs very high for this coming winter. This makes egg farming more profitable than ever, and one cannot make a better investment at this time than to get a bunch of good layers for this winter, and use them for breeders next spring.

There is no better advertisement for your stock than to make a few winnings at fall or winter shows. If you haven't stock good enough to win, Mr. Ferris can supply your needs as he has a splendid lot of exhibition stock, cocks, hens, cockerels and pullets. He is prepared to give you splendid value for the amount you pay. Last season Ferris Leghorns won

Farm in this issue show that Ferris Leghorns are raised on an up-to-date plant, have plenty of free range and are strong, vigorous birds that make the very best of foundation stock. The next best thing to a visit to the farm is the 80 page catalogue which will be sent you free of charge. This gives illustrations of the birds and the farm, and explains the methods that have been followed and the results secured. The catalogue also explains the system of feeding used on the farm, and gives a description and plans of the Ferris laying house, which has been giving excellent results.

In addition to the yearling cocks and hens, of which Mr. Ferris has

"Pittsburgh Perfect" Fencing made of GENUINE DOUBLE GALVANIZED Wire

"That's the best looking fence I ever saw"—you'll say when you've strung 'PITTSBURGH PERFECT' around your poultry quarters.

"That's the most effective fence I ever used"—you'll say when you find your chickens, large and small, always within bounds, absolutely safe from prowling, destructive animals.

"I'm glad I put up 'PITTSBURGH PERFECT'"—you'll tell your neighbors while watching them patching, tinkering with and often replacing inferior fencing.

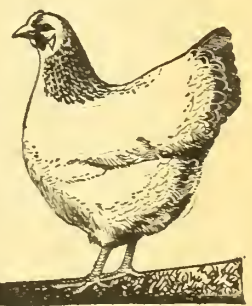
"Pittsburgh Perfect" Fences are made of heavy gauge Open Hearth wire, GENUINELY DOUBLE GALVANIZED by our new, exclusive process which adds years of extra fence-life. Wires are WELDED BY ELECTRICITY at every joint, making a solid, one-piece fabric of greatest strength. Easiest of all fences to erect.

SOLD BY DEALERS EVERYWHERE

New catalogue, showing all styles of "Pittsburgh Perfect" Fencing, and full of valuable fence facts, sent free upon request. Ask for Catalogue No. P-40

PITTSBURGH STEEL CO., PITTSBURGH, PA.

New York Chicago Duluth St. Louis Memphis Dallas
Makers of "Pittsburgh Perfect" Brands of Open Hearth Steel and Wire Products, produced in our own Furnaces and Mills from the ore in our Mines to the Finished Material.





1914

1915

Under this heading, we shall endeavor to publish a complete list of the shows to occur during the season of 1914-15. Secretaries should favor us with dates selected, names of judges, also correct any errors that appear in the dates as published.

ARIZONA
PHOENIX, State Show—Dec. 23-26.

ARKANSAS
HOT SPRINGS—Nov. 16-21; W. W. Wales, Sec.

CALIFORNIA
SACRAMENTO—Nov. 2-7; C. A. Wilkins, Sec.
SANTA CRUZ—Nov. 11-14; E. J. Harrah, Sec.
SAN MATEO—Nov. 12-15; Arthur R. Schroeder, Sec., San Gregorio.
WILLOWS—Nov. 18-21; Otto F. Schuchard, Sec.
OAKLAND—Nov. 24-29; Chas. G. Hinds, Sec.
PASADENA—Dec. 1-5; M. D. Cartright, Sec.
MODESTO—Dec. 2-5; A. D. Roberts, Sec.
SAN FRANCISCO—Dec. 8-13; W. H. Ingrain, Sec.
PORTERSVILLE—Dec. 15-17; E. D. Fawcett, Sec.
LOS ANGELES—Jan. 6-12; H. H. Mumford, Sec.

COLORADO
DENVER—Jan. 18-23; Fred P. Johnson, Sec.

CONNECTICUT
SOUTH NORWALK—Nov. 23-26; Chas. Petty, Sec.
HARTFORD—Dec. 8-11; Warren Hayden, Sec.
MIDDLETOWN—Jan. 12-15; Arthur L. Clark, Sec.

CANADA
NIAGARA FALLS—Nov. 30-Dec. 4; Wm. E. SEARS, Sec.

DELAWARE
WILMINGTON—Dec. 1-5; T. M. Smith, Sec.

DISTRICT OF COLUMBIA
WASHINGTON, D. C.—Jan. 19-23; W. S. Kiefer, Sec.

GEORGIA
AUGUSTA—Oct. 16-19; H. W. Cameron, Sec.
COLUMBUS—Nov. 16-21; J. S. Jenkins, Sec.

HAWAII
HILO—Nov. 27-28; E. G. Allen, Sec.

FLORIDA
ORLANDO—Feb. 16 to 20; W. R. Oneal, Sec.

ILLINOIS
QUINCY—Nov. 24-29; A. D. Smith, Sec.
PEORIA—Nov. 31 to Dec. 5; C. P. Scott, Sec.
CAPRON—Dec. 30-Jan. 4.
LANARK—Jan. 4 to 9; J. A. Shaner, Sec.
NORA—Nov. 23-28; C. J. Friedman, Sec.
ELGIN—Jan. 4-9; C. H. Leitner, Sec.

INDIANA
VINCENNES—Dec. 7-12; E. W. Determan, Sec.

GOSHEN—Dec. 8 to 12; A. A. Kryder, Sec.
THORNTOWN—Dec. 14-19.
TERRA HAUTE—Dec. 29-Jan. 3; M. Austin Potter, Sec.
HAMMOND—Dec. 30-Jan. 3; J. M. McCarthy, Sec.

IOWA
DAVENPORT—Nov. 23 to 27; O. F. Freeman, Sec.

KANSAS
FORT SCOTT—Dec. 8-11; C. S. Frantz, Sec.
OLATHE—Johnson Co. Poul. Assn., Dec. 7-12, 1914; E. R. Prather, Sec.

KENTUCKY
LEXINGTON—Jan. 4-9.

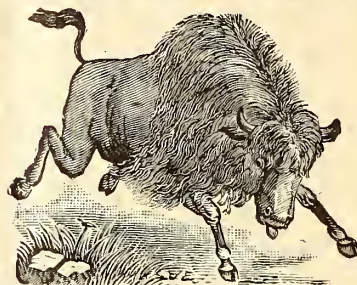
LOUISIANA
SHREVEPORT—Nov. 4-11; L. N. Brueggerhoff, Sec.
LAKE CHARLES—Nov. 23-28; H. K. Ramsey, Sec.
ALEXANDRIA—Dec. 9-13; W. H. McCrackin, Sec.

MARYLAND
HAGERSTOWN—Oct. 13-16; W. F. Spahr, Sec.
BALTIMORE—Jan. 6-10; J. M. Sessions, Sec.

MASSACHUSETTS
BEVERLY—Nov. 17-19; Harry McKean, Sec.
ATTLEBORO—Nov. 18-21; Henry Sibley, Sec.
MANSFIELD—Nov. 25-28; L. Faye Howe, Sec.
HOLYOKE—Dec. 2-4; Geo. Barnett, Sec.
CHELSEA—Dec. 3-5; B. P. Nichols, Sec.
MILFORD—Dec. 9-12; W. H. Pyne, Sec.
NEW BEDFORD—Dec. 9-11; Dr. S. D. Perry, Sec.

SPRINGFIELD—Dec. 15-18; W. C. Roraback, Sec., P. O. Box 1226.
NORWOOD—Dec. 16-18; E. D. Baker, Sec.
GLOUCESTER—Dec. 16-18; B. H. Thornberg, Sec.
BOSTON—Jan. 12-16; W. B. Atherton, Sec.
WORCESTER—Jan. 12-23; W. H. Tilton, Sec.

MICHIGAN
BATTLE CREEK—Dec. 7-13; O. P. Stancer, Sec.
OWOSSO—Dec. 16-19; Roy Aberle, Sec.



"On To Buffalo"

Send today for your copy of the premium list of the

GREATER BUFFALO POULTRY SHOW

(THANKSGIVING WEEK)

November 23-24-25-26-27-28

Best Judges, Liberal Premiums,
Attractive Cash Specials.

Wm. C. Denny, Sec'y, Buffalo, N. Y.

HAGERSTOWN

Great Poultry and Pigeon Show

OCTOBER 13, 14, 15 and 16

FOR PREMIUM LIST SEND TO

H. E. BAKER, Supt. W. F. SPAHR, Sec.
HAGERSTOWN, MD.

THE GREAT BIG PALACE SHOW

December 1-5, 1914---New York City

Entries close November 16. EMPIRE POULTRY ASSOCIATION, Mineola, N. Y., L. D. HOWELL, Secretary. NOTE:—You can help your class to win special if you can say now that you will exhibit. Write for Premium List; none will be sent unsolicited except to old exhibitors. List will be mailed about October 15.

MOUSTEE—Dec. 21-26; Mrs. Chas. H. Walters, Sec.
 DETROIT—Jan. 20-26, 1915; J. A. Turner Sec., Lansing, Mich.
MISSOURI
 ST. JOSEPH—Dec. 9-13; S. E. Wing, Sec.
 KANSAS CITY—Jan. 11-16, 1915; E. L. Noyes, Sec.
NEW BRUNSWICK
 MONCTON—Jan. 19-22; Geo. H. Seaman, Sec.

NEW YORK
 GLOVERSVILLE—Nov. 9-15; A. L. Watson, Sec.
 BUFFALO, Greater Buffalo Show—Nov. 23-28; W. C. Denny, Sec.
 NEW YORK, Palace Show—Dec. 1-5; L. D. Howell, Sec.
 JAMESTOWN—Dec. 7-12; Wm. S. Rathbun, Sec.
 ROCHESTER, Flower City Show—Dec. 7-12; J. W. Chapman, Sec.
 BATAVIA—Jan. 11-16, 1915; Lee Folger, Sec.
 SCHENECTADY—Jan. 12-16, 1915; H. J. Fuller, Sec.

NEW JERSEY
 TRENTON—Sept. 28-Oct. 2; M. R. Margerum, Sec.
 PATERSON—Nov. 18-21; Dr. Gilbert G. Johnston, Sec.
 SOMERVILLE—Nov. 19-21; W. D. Bauer, Sec.
 MORRISTOWN—Nov. 23-28; D. F. Williamson, Sec.
 BAYONNE—Dec. 9-12; W. Whatley, Sec.
 CALDWELL—Dec. 10-12; Chas. H. Schlaefer, Sec.
 EAST ORANGE—Dec. 14-19; E. S. Parr, Sec.
NEW HAMPSHIRE
 CONCORD—Dec. 8-11; Herman C. Bailey, Sec.
 DOVER—Jan. 17-21; Edw. H. Quigley, Sec.

OHIO
 GIBSONBURG—Nov. 24-27; L. C. Hoover, Sec.
 TOLEDO—Nov. 30-Dec. 4.
 XENIA—Dec. 1-5; A. G. Spahr, Sec.
 WOOSTER—Dec. 8-12; A. H. Smith, Sec.
 DAYTON—Dec. 8-13; C. D. Torney, Sec.
 LISBON—Dec. 14-19; W. T. Bennett, Sec.
 VAN WERT—Dec. 28-Jan. 2; D. R. Cary, Sec.
 NORWALK—Dec. 29-Jan. 2; Carl H. Sly, Sec.
 CLEVELAND—Jan. 4-9; Dr. R. A. Lindhorst, Sec.
 SPRINGFIELD—Jan. 10-14.
 PIQUA—Jan. 11-16; Geo. W. Ellerman, Sec.
 DAYTON—Jan. 11-17.
 WADSWORTH—Jan. 12-16, 1916; Chas. H. Ries, Sec.
 BRYAN—Jan. 20-23; Samuel Gearhart, Sec.
 WOODVILLE—Jan. 26-Feb. 1; A. H. Mauntler, Sec.

OREGON
 PORTLAND—Dec. 8-12.
OKLAHOMA
 MUSKOGEE—Nov. 30-Dec. 5; A. G. Harmon, Sec.
 HOLLIS—Dec. 3-5; B. B. Bell, Sec.

PENNSYLVANIA
 RIDGEWAY—Nov. 17-20; C. O. Romick, Sec.
 WILLIAMSPORT—Nov. 17-20; Geo. J. Hanks, Sec.
 MOHNTON—Nov. 26-29; J. H. Fichthus, Sec.
 BIGLERVILLE—Dec. 1-4; O. C. Rice, Sec.
 POTTSVILLE—Dec. 8-12; R. O. Umholtz, Sec.
 WEST FAIRVIEW—Dec. 8-12; C. S. Smith, Sec.
 KUTZTOWN—Dec. 9, 10, 11, 12; J. C. Hock, Sec.
 MCKEESPORT—Dec. 14-19; W. N. Sales, Sec.
 BERWICK—Dec. 28-Jan. 2; R. S. Hartman, Sec.
 WARREN—Dec. 28-31, 1914, & Jan. 1-2, 1915; L. E. Conroy, Sec.
 ERIE—Dec. 28 to Jan. 2; J. F. Boyer, Sec.
 SELLERSVILLE—Dec. 30-Jan. 2; E. R. McCork, Sec.
 JOHNSTOWN—Jan. 12-16; W. S. Krise, Sec.
 PITTSBURGH—Jan. 18-23; W. P. Craig, Sec.

RHODE ISLAND
 PAWTUCKET—Nov. 5, 6, 7; Edwin J. Gibbons, Sec.

SOUTH CAROLINA
 DARLINGTON—Nov. 25-27; H. V. Harlee, Sec.
 CHESTER—Dec. 9-11.

SOUTH DAKOTA
 PIERRE—Jan. 19-23; Joseph Ihli, Sec.

TENNESSEE
 CHATTANOOGA—Dec. 7-12; F. C. Rose, Sec.

TEXAS
 FT. WORTH—Oct. 10-17, 1914; E. Curran, Sec.
 DALLAS, State Fair—Oct. 15-30; Walter Berton, Supt.
 HONEY GROVE—Nov. 17-19; W. C. Morris, Sec.
 ARLINGTON—Nov. 17-19; W. J. Pulley, Sec.
 AUSTIN—Dec. 2-5; Mrs. M. D. Carr, Sec.
 CLEBURNE—Dec. 8-11; Edw. S. Clayton, Sec.
 NEW BRAUNFELS—Dec. 10-13; Alex. Forks, Sec.
 ROCKDALE—Dec. 16-19; Mrs. D. H. Sanford, Sec.

VERMONT
 BELLOWS FALLS—Dec. 13; J. S. Buxton, Sec.
 MONTPELIER—Jan. 6, 7, 8; W. A. Morr, Sec.

VIRGINIA
 RICHMOND—Nov. 24-27.
WEST VIRGINIA
 CHARLESTOWN—Jan. 4 to 9; J. C. Boyd, Sec.

WASHINGTON
 SPOKANE—Dec. 15-19; Mrs. H. A. Klussman, Sec.
 TACOMA—Dec. 29-Jan. 2; J. A. Caddey, Sec.

WISCONSIN
 MADISON—Jan. 4-8; J. G. Halpin, Sec.
 MINERAL POINT—Jan. 11-16; Allen Tucker, Sec.
 APPLETON—Fox River Poultry Assn—Jan. 28-31, 1915; Dr. W. L. Farrand, Sec.

"THE HOME OF LEGHORNS"

Turtle Point Farm, Saratoga Springs, N. Y., familiarly known as "The Home of Leghorns", reports the most successful season since this farm was established. The varieties of Leghorns bred

here include S. C. White, S. C. Brown, S. C. Black, R. C. White, R. C. Brown and Silver Leghorns. In a recent letter W. M. Anderson, the manager, states "In S. C. Blacks we have without question both in matured fowl and youngsters the finest flock in existence. They have won in all the prominent shows throughout the east and have never lost a display prize when such was offered". The writer was privileged to examine some of their birds at a recent exhibition and was surprised to find they possessed beautiful yellow legs with sound lustrous black color, also good head points and type that closely approached the Whites. As much can be said of their R. C. Whites and Silver Leghorns. Of the latter variety they have succeeded in producing a large flock of youngsters during the past season and are well prepared to fill orders for either exhibition or breeding stock. They also have flocks of Single and R. C. Browns that have won many prizes in leading shows and are prepared to quote attractive prices on these as well as either of the above mentioned varieties. Turtle Point Farm issues a handsome catalogue illustrating many of their winners and giving views of the farm that they will be glad to send on request to anyone addressing as above, mentioning A. P. W.

PILLING *Easy to use*
CAPON TOOLS

ROOSTER 5 lbs.
5 lbs.
MORE THAN DOUBLE YOUR COCKEREL PROFITS
 Capons grow twice as large on the same amount of feed and bring twice the price per pound.
 Complete set of reliable, practical, easy-to-use Capon Tools \$2.50
 —full, illustrated instructions included. Parcel Post prepaid.
G. P. PILLING & SON CO., Phila., Pa.
 Send for FREE Capon Book



MAPLEWOOD STRAIN S. C. White Leghorns Pekin Ducks

SPECIAL SALE. 500—S. C. WHITE LEGHORNS HENS—500

The noted Maplewood winning strain of S. C. White Leghorns. Prolific egg producers. Winners of many first and minor prizes at such shows as Greater New York, N. Y. State Fair, Greater Buffalo etc. In lots of 25 or more \$1.25 each. THIS is our annual clearance sale. Send your order today. Delay means disappointment. Still booking orders for baby chicks
 Maplewood Poultry Yards, H. D. Hayner, Supt., Box W, Attica, N. Y.

AMERICA'S GREATEST QUALITY SHOW

POULTRY, PIGEONS, CATS, PET STOCK

BOSTON SHOW

THE 1915 OLD GLORY SHOW

MECHANICS BUILDING

JANUARY 12 to 16

ENTRIES CLOSE DECEMBER 28, 1914

FOR PREMIUM LIST AND ENTRY BLANKS, ADDRESS

W. B. ATHERTON, Sec'y & Mgr., 36 BROMFIELD ST. BOSTON, MASS.

State Meet A. P. A.
 20 Specialty Clubs Meet
 10 Judges
 50,000 Attendance Guaranteed

WILLIAMSPORT, PA.

GEO. J. HANKS, Sec.,
 35 West 4th. Street.
 Premium List Now Ready

THE FOREST CITY FAIR

The success of the second annual exhibition of the Forest City Fair, held at North Randall, Ohio, August 20 to 27 inclusive, marks it as one of the most successful events of its kind held in the Buckeye State. The liberal and progressive policy pursued by its backers, which include some of Cleveland's most successful business men, has brought this event rapidly to the front and insured it a position among the leading fairs of the country.

The Poultry department is one of the leading features which under the capable management of Superintendent Shepard Strong is receiving recognition from the leading and most successful poultrymen of the United States and Canada. A marked increase was shown in the entries this year which numbered 2,540, with a total of about 3,200 specimens on exhibition. Three large tents were required to accommodate the exhibit, which was cooped and fed by Spratt's in their usual efficient manner.

The judging began promptly on Friday at the appointed time and was completed on the following day, the work being performed by Frank Conway, Ira M. Faber, Eugene Sites, Wm. G. Minnich, J. H. Drevenstedt, Theo. Hewes and Geo. Ewald. Their decisions gave general satisfaction, very little criticism being heard, the majority of the exhibitors being of the stamp that accept defeat in a sportsmanlike manner.

As a rule the adult classes were well filled, but owing to the early date and the preceding backward season the younger birds were not as far advanced as we would like to see them at an exhibition of the kind.

Plymouth Rocks were well represented and the quality was fine especially in the White and Buff varieties; Barred were a quality class although lacking in numbers. Wyandottes well represented with very good quality throughout. Buff and White Orpingtons excellent classes of superior quality, making competition keen. Blacks small class, but quality good. Rhode Island Reds were out in numbers in both old and young with high quality throughout.

The S. C. White Leghorns proved to be the largest class in the show and many good specimens were in line. Blacks were next and made one of the largest and finest exhibits of the variety we have seen in many days. Browns small, but select class. Minorcas, Anconas and Campines made an excellent display with many fine specimens well placed. Langshans led the Asiatics in numbers. Game and Ornamental Bantams made a very nice showing as did Turkeys and Waterfowl. Pigeons were conspicuous by their absence, only nine pairs being on exhibition.

Among the winners were: Vierheller Bros., 17 Sylvania Ave., Pittsburgh, Pa., well known breeders of Buff Rocks, 3 cock; 1-2 hen; 1 pen. Marshall & Marshall, Niagara Falls, Ont., White Wyandottes, 4 cock; 2

hen; 1-3 cockerel; 2-3-5 pullet. L. H. Perry, Clay, N. Y., Black Wyandottes, 5 cockerel; 1 pullet. Rocky Run Farms, Wm. G. Marshall, Prop., Northfield, O., Buff Wyandottes, 1-2-3-5 cock; 1-2-3-5 hen; 2-3 cockerel; 3-5 pullet; 1-2-3 pen. Sheffield Farms, Glendale, Ohio, Partridge Wyandottes 1-2 cock; 1-3-4 hen; 1-2-3 cockerel; 1-2-4 pullet. L. H. Perry, R. C. White Leghorns, 1 cock; 4 hen; 4 cockerel; 3 pullet; 1 pen. A. E. Martz & Son, Arcadia, Ind., S. C. Buff Orpingtons, 3-4 cock; 1-2 cockerel; 1-2 pullet; 1 pen. L. H. Perry, Colored Muscovy Ducks, 1 young drake; 1 young duck; Indian Runner, 1 young drake; 1 young duck; White Runner, 3 young duck.

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Too few of our farmers produce the rations consumed by their poultry, or the sort of feed they produce is not adapted to best results with their flocks, which is practically the same thing.

Charcoal, one of the prime essentials to successful poultrying, often is missing on the farm, and if bought, usually comes high. Burning old chunks, cobs, etc., and smothering down the flames with damp cobs or rotten chunks of wood, will produce one's own charcoal abundantly and cheaply for poultry.

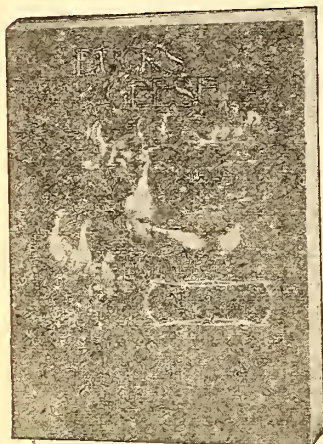
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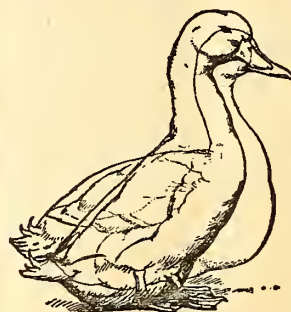
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Among the Writers of Articles are the following: Franklane L. Sewell, James Rankin, Charles McClave, P. T. Woods, Mrs. B. F. Hislop, H. E. Moss, Mrs. A. M. Bush, Robert H. Essex, William Bonner, W. R. Curtiss, S. T. Campbell, R. H. Crandall, V. C. Harwood, Louis B. Schram, J. D. Rake, C. C. Herron, T. F. Jager, F. D. Fowler, Edward Brown and Grant M. Curtis.

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QUESTIONS AND ANSWERS

EDITORIAL NOTE—This department will be devoted to answers to questions of general interest on practical poultry topics asked by subscribers and addressed to Editorial Department, AMERICAN POULTRY PUBLISHING COMPANY, Stafford Bldg., Buffalo, N. Y. Answers in this department are free of charge. Where two or more persons ask substantially the same questions, only one answer will be given. In asking questions try to send full information. The subscriber's name and address must be given [not for publication]. If a reply by mail is desired, be sure to enclose stamped addressed envelope.

INJURED WINGS

Q. I am breeding Rhode Island Reds and Silver Laced Wyandottes. A few days ago I discovered one of my Wyandotte hens with her wing drooping and upon investigation found what appeared to be a bruise and very badly swollen from where it joined the body to the first joint of the wing. Last night I found a Rhode Island Red with the same trouble. I have them penned up and give them the best of care and cannot account for this trouble. Upon opening the swelling found it filled with black blood and they have lost the use of the wing. They eat well and do not appear sick. Any advice you can give will be gratefully received. Mrs. J. E. C., Painsville, Ohio.

A. This appears like a bad bruise and possibly a fracture of the wing bones. How it occurred I am unable to state, but it must have been from a hard blow of some kind. Have you any mischievous boys in your neighborhood that are prone to throw stones? I would attribute the injury to some such cause. Examine carefully and if a fracture is found put on splints and bandage, on the other hand if only a bruise paint with iodine every other day until swelling is reduced.

JUST MOULTING—THAT'S ALL

Q. I have a small flock of chickens which I believe are given good food and attention. The houses are kept cleaned and dry, and the chickens themselves appear to be clean and enjoying good health. I have been unable to find the slightest trace of lice, have dusted the flocks and also provided a dust bath for them and yet they are continually picking themselves, even immediately after having been dusted. Do you think in spite of these precautions they can be infested with lice or is it their way of cleaning themselves?

A good many are young stock and the balance are moulting. Do you suppose it is the growth of pin feathers which bother them possibly causing an itching? May I look for an answer in the columns of your paper to which I subscribe? A. M. C., Tarrytown, N. Y.

A. Don't worry any over the condition of these fowls. In your inquiry you have not only asked the question, but have also answered it. It is undoubtedly the growth of new feathers that causes the picking. It

is characteristic of our fowls to be constantly growing these feathers during the moult.

VARIOUS QUESTIONS

Q. (a) How old should young chickens be when artificial heat is taken from them? I am using incubators and hovers.

(b) Is it customary to sell eggs for hatching that are tainted with hereditary diseases such as white diarrhea? I bought White Leghorn eggs which after the chicks were two days' old the white diarrhea showed up, while other chickens hatched from eggs from another breeder showed no indications.

(c) Is it customary among chicken dealers to run a thing like that in on a person and not say a thing about it?

(d) How long can eggs be kept before setting? J. C. H., Yellow Spring, Ohio.

A. (a) This will depend altogether on outside temperature and the season of the year. Here is a place for you to use your good judgment.

(b) Considering where these eggs were purchased I don't think it was intentional. I believe the eggs were sold in good faith, the parties not being aware of the presence of white diarrhea in their flock. In fact up until recently there has been no way of determining the presence of this disease until it manifested

itself in the chicks. The Connecticut Agricultural Experiment Station who have been experimenting for many years to find ways and means of



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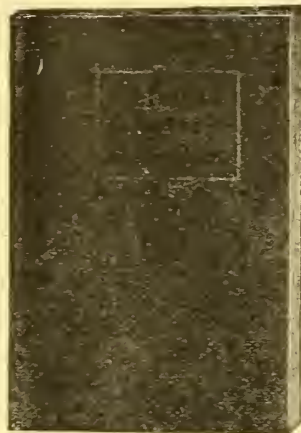
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eradicating the disease have recently discovered a method of testing hens for its presence. This method of testing hens, however, requires the use of a laboratory, therefore outside of Connecticut where the Station performs the service for those desiring it is out of reach of the ordinary poultry raiser.

(c) No. Of course we occasionally run across some unscrupulous breeder that does not care, but fortunately these are few and far between.

(d) Three weeks is about the limit. The sooner eggs are incubated after they are laid the better the results that are secured.

WHITE LEGHORN CLUB

Q. Is there a White Leghorn Association, if so, who is president and secretary? J. M. P., East Haven, Conn.

A. Yes. The National S. C. Leghorn Club. D. W. Young, Monroe, N. Y., is president, and F. O. Groesbeck, Hartford, Conn., is the secretary.

CHICKS DYING

Q. As a subscriber to A. P. W. I wish you would advise me through your columns as to what the trouble is with some of my chicks, which are dying off; also what can be done to save them. The trouble appears first by the chick huddling itself up, closing its eyes, its wings droop, it takes a drink once in a while, but wont eat. Combs become pale and they stand off in the corner by themselves. They live from seven to fourteen days. They are about four months old. I don't think it is white diarrhea. A. A., North Arlington, N. C.

A. Trouble of this description may be traced to any one of several causes and it would be hard to state accurately the cause without a personal examination. The contributing causes are: First, poor vitality in the breeding stock, chicks may hatch well and appear to grow for a few weeks when the hereditary weakness manifests itself, and they stop growing and gradually drop off. Second, improper methods of feeding causing indigestion and bowel disorders. Symptoms of which tally with your description. Third, unsanitary surroundings causing similar symptoms. Several other causes might be enumerated, but this is sufficient. Give your place a thorough cleaning up, change your feeding methods and feed at regular intervals only what the chicks will clean up in a few minutes. If any is left over clean it up, do not leave it laying around to sour and ferment and cause more trouble. This is not white diarrhea. This complaint manifests itself during the first two weeks of the chick's life, after this period they are practically immune.

STANDARD WEIGHTS

Q. I would like to know the Standard weights of White Plymouth Rocks and Rhode Island Reds. J. W. R., North Attleboro, Mass.

A. The Standard weights of White Plymouth Rocks are as follows:

Cock, 9½ lbs.; hen, 7½ lbs.; cockerel, 8 lbs.; pullet, 6 lbs. Rhode Island Reds, cock, 8½ lbs.; hen, 6½ lbs.; cockerel, 7½ lbs.; pullet 5 lbs.

HEN WONT EAT

Q. Will you please answer through A. P. W., what I can do for a Rhode Island Red hen that does not care for her food. I use a good scratch feed, a mash and green stuff. The hen does not appear to be sick, usually strays off by herself. C. I. J., Ybor City, Florida.

A. I can't see any reason why you should do anything. As long as the hen appears in good health and is evidently satisfied to forage for her food, why worry?

REMOVING SPURS

Q. I have a beautiful White Leghorn male, an old bird, but very vigorous. His spurs are now three or four inches long and although they do not appear to bother him I would like to remove them. Is there any way it may be accomplished besides cutting or sawing them off? G. B. J., Chicago, Ill.

A. Spurs may be removed without pain to the bird as follows: Get two potatoes with their jackets on, roast them in an oven until they are as hot as they can possibly be got, push one on each spur right up to the leg and hold them on say for five or six minutes. Then with a sharp penknife nick all around the thick end of the spur, push the point of the knife in the end of the spur and give it a slight twist. The spur will come off and leave the quick which will soon dry.

BUMBLE FOOT

Q. Will you kindly advise through the columns of A. P. W. what to do to cure lameness in my Rhode Island Red cock? He is a valuable bird and recently appears to have injured his foot and it is badly swollen and seems very sore, so much so that he favors it by holding it up most of the time. Any help you can give will be greatly appreciated. C. M. B., Boston, Mass.

A. Your bird is undoubtedly suffering from a bruise to the sole of the foot, such injuries being called bumble foot. Put the bird in a clean dry pen well bedded with straw and after cleansing the foot well with a good antiseptic, 5 per cent. solution of carbolic acid will do, apply poultices until the swelling is well softened. When this is accomplished lance the swelling with a sharp knife and thoroughly clean out the cheesy accumulation, wash with the carbolic solution and bind on a piece of salt pork over the incision. See that it is kept well bandaged until healed.

PRINCESS REDS

Wadsworth & Caster of Wolcott, N. Y., breeders and originators of the Princess Strain of Single and Rose Comb Rhode Island Reds, resume their advertising in this issue of AMERICAN POULTRY WORLD. Mr. Wadsworth, the senior member of the firm, is a firm believer in not how many, but how good, and consequently they have a very select flock of Reds in both combs. They have some surplus stock for disposal and will be pleased

to hear from A. P. W. readers who are in need of either exhibition or breeding stock and they guarantee satisfaction to all who favor them with an order. They made a small entry at the recent New York State Fair and in one of the strongest classes of Reds shown to date, they won on Rose Combs, 5 cock; 4 cockerel, and 5 old pen. When writing don't forget to mention AMERICAN POULTRY WORLD.

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Started half million people making big poultry profits. ABC of chicken raising, 3 or 4 times as many Old Trusty Incubators in use as any other. Write today. JOHNSON INCUBATOR MAN, Clay Center, Nebraska

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10 cocks and 100 hens. Cut prices for next 30 days. Ask for prices and descriptions.

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Unsurpassed Shingle Stain
and wood preserving paint for shingles, fences, barns, sheds, coops, garages, silos, porches and platforms.

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"OCULUM" is praised by Poultry Journals [write this paper] Ex. Stations and Poultry Keepers. It is only \$.50 and \$1.00 per bottle at the stores or from us U. R. FISHEL of National Reputation says he would not be without it at five times its cost. If it don't please you, money back, BOOKLET FREE.

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Examine your birds and see if lice are not robbing your poultry of health and vitality, and yourself of profits. Get the **Old Reliable**

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"LITTLE BARE YARDS OF CONGESTED POULTRY PLANTS"

BY EDWARD BROWN, F. L. S.

Some time ago Professor James E. Rice, of Cornell University, said that "the great bulk of poultry products always have been, and probably always will be, produced on the farms, and not on little bare yards of congested poultry plants". In spite of all the praiseworthy efforts to increase the keeping of fowls in suburban gardens and back-yards, and upon intensive poultry farms, by which an appreciable contribution is being made to home supplies, whether for household consumption or sale, the fact stated above is evident. An estimate has been made that the metropolitan area consumes annually nearly nine hundred millions of eggs. On the basis of an average production of eighty eggs per hen per annum—which is above the calculations of the Board of Agriculture for the census of 1908—eleven and a quarter million hens would be required to produce the number stated. If the annual average of eggs on each small plot was one thousand per annum, that would mean nine hundred thousand individual enterprises. I question whether there are as many in Great Britain. When we remember that a large proportion of such poultry plants merely provide eggs for the owners' families, or that what sale does take place is in the immediate locality, we at once see that the volume of supplies contributed by these to meet the requirements of London is very small indeed.

Farmers are a long way from having realised their opportunities in respect to egg and poultry production. At the same time, if it were not for what they are doing we should be awkwardly placed, and eggs would be almost as scarce and dear as peaches. For that reason our main efforts must be in the direction of developing production upon general farms, always more difficult of accomplishment from the fact that farmers are less easily reached—are more difficult to influence—than those whose aspirations are greater, although the opportunities are restricted. The last-named are usually more valuable from the fact that they take a keener interest in poultry than do the general run of farmers, and that to them the question appears to be of greater importance. Under our present social and economic conditions of life it is not to be wondered at if artisans are constantly seeking for methods of adding to their incomes, and even of securing an alternative means of living, thus giving them that sense of independence which is, and should be, the object of all.

Reverting, however, to what Professor Rice has said as to "little bare yards of congested poultry plants", he had in view not so much the back-yarder as the so-called poultry farmer, who, systematically and designedly, restricts the area upon which his fowls are kept, whether from the idea that by so doing he can increase the average production of eggs—which

is, under proper management, largely true—or because he has failed to realise that denial of natural elements obtained from the soil, and the plant life growing thereon means increase of food cost, involving a greater risk of depriving the birds of what is supremely important to them.

There are many points in this connection which deserve and demand consideration, notably the effect upon the fowls themselves, more especially if these are used for breeding, which I do not propose to discuss at the present time. Where poultry are kept merely as a hobby or a supplemental pursuit, that is not of serious moment. When, however, regarded as a business proposition it is altogether different. In my judgment, one great reason for the vast trade done in sale of eggs for hatching and day-old chicks is that under the conditions named, loss of constitutional vigor and of fecundity is so great that it becomes essential to obtain fresh stock at short intervals, for degeneracy is so rapid. The more what I have previously termed "Bird-cage Poultry Keeping" is extended, the greater the adoption of intensive methods, the larger will be demand in the directions indicated. Such systems are and will increasingly be destructive of virility and fecundity after one or two generations when these influences exert themselves. There are many who hold opposite views. Time will reveal which is correct.

What requires to be pressed home more at the present time than ever before is that, whilst the suburban resident or back-yard poultry keeper must accept his limitations, those who have wider opportunities are unwise to adopt methods which deprive their fowls of what are probably the most important parts of nutrition. Many instances in proof could be cited. Two will suffice—one on a small and the other a large scale. In the former, on a plot of a quarter-acre, all the ground available was enclosed, upon which an excellent but practically non-removable house was placed. In this, thirty fowls were kept. So far as feeding and management were concerned no complaint could be made. All went well for the first year. Then the ground became bare of verdure—eaten off by the fowls and killed by their manure, a combination which was fatal. No change could be made, because there was no other land available. Consequently the end came very soon.

In the other case ranges of fine buildings were put up, designed with mathematical accuracy to facilitate the work and economise labor. So far as these were concerned there was plenty of land available, the buildings were grouped close together, and the outside runs were not more than three times the area of the buildings, without possibility of alteration. As a picture it was excellent; as a poultry farm it was as bad as could well

be. The capacity of the dwellings was, practically speaking, twenty-five times that of the outside ground. Here, again, bare little yards brought the enterprise to a termination. The returns upon such places, in relation to the capital expenditure, are so small that profitable production is impossible. Thus there is always a temptation to increase of numbers, leading to disease and disaster.

That poultry keeping by all, no matter how limited may be their opportunities, deserves the fullest encouragement, every one will admit, and no one more than the writer of these notes. That such may be carried out profitably is unquestionable, provided there is realisation of limitations and conduct of operations within the restrictions thus imposed. The danger of the present moment—greater than at any period within my memory—is that intensive methods should be generally accepted which can do no more than touch the fringe of our national food supply. We may not forget the fact that there are forces at work which must be reckoned with, and against which we cannot fight successfully.

Fowls are not permanently amenable to factory methods. They are living entities, as are all other forms of animal life, demanding conditions which will develop physical vigor. The back-yarder may adopt "bird-cage" methods, because no other is possible to him. With him, however, it is not a serious business proposition upon which his livelihood depends. For those who operate upon larger lines an adequate area of land, plus effective cultivation, is as great a necessity as are air and food and water. For these to restrict their fowls to "little bare-yards" is courting failure and sinning against the light. Under such conditions I am an extensivist. It is in that way the great volume of eggs and poultry required must be produced, as has hitherto been the case. The sooner these facts—for such they are—find general acceptance the better it will be for all concerned. No nation could be fed by growing wheat in green-houses, even were that an economic process; and we must recognize that fowls require space equally with the grain which forms the staff of life for man.—Edw. Brown, F. L. S., in Feathered World.

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Prairie State Stove Brooder

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Burns Hard Coal

Adapted alike to the individual colony house or long continuous house so extensively used on large farms. Largest poultry farm in the U.S. now uses 40 of these stoves which care for 25,000 chicks at one time.

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PRAIRIE STATE INCUBATOR CO., 202 Main St., Homer City, Penna.

THE BACK YARD POULTRY-MAN

By E. E. Bunnell, Buffalo, N. Y.

(Continued from page 850)

These things are a nuisance and there is no excuse for any of them.

At some near date I will tell A. P. W. readers how I am able to do away with all trouble of this sort and at the same time tell something about how I care for my birds in a small back yard and also how I hatched and raised birds that have won blue ribbons and special ribbons at some of our largest poultry shows. Fifty and one hundred dollar birds can be raised in back yards from small flocks just as well as they can on large poultry plants and the writer can prove it.

REGAL SUPREMACY

Regal supremacy is the way Jno. S. Martin, Port Dover, Ont., characterizes his winnings on White Wyandottes at the New York State Fair. This is the ninth time that they have carried off the lion's share at this event. How complete their achievement was this season is told by the following awards: 1-2-3-4 cock; 1-2-3 hen; 1-3-4 pen young; 1-2-3-4-5 cockerel; 1-2-3-4 pullet; 2-3-4 pens old; National White Wyandotte Club cup best cock, hen, cockerel and pullet; Poultry Success' cup, best display; Rancocas' cup, best ten Wyandottes any variety; \$25 in gold for best display. In the nine years that Mr. Martin has exhibited at this show he has taken 47 out of a possible 54 first prizes.

This record reflects great credit on the quality of Mr. Martin's productions and would indicate that the Regal

Strain was a good one to tie up to if in search of Wyandottes that not only possess exhibition qualities, but have a reputation for egg production as well.

THE AMERICAN WHITE ORPINGTON CLUB BOOK

The club book issued by The American White Orpington Club this year is recognized as one of the best issued by any of the specialty clubs. It is full of information on White Orpingtons from cover to cover, and every breeder of White Orpingtons should read the same. This club is one of the strongest in the country and growing steady all the time. Every breeder of this grand fowl owes it to themselves and the breed to support the club, and become members of the same. Initiation fee is only \$1.00.

Copy of club book can be had for \$1.10 to pay charges from the Secretary, P. S. Bullington, box 328, Richmond, Va.

RIVERDALE POULTRY FARM

F. M. Prescott, proprietor of Riverdale Poultry Farm, Riverdale, N. J., advises that he opened the show season at the Philadelphia County Fair, September 7-12, with a grand winning. On ten entries every one was placed, 32 entries competing. The individual winnings were as follows: Light Brahmas, 1-2 cock; 1-3 hen; 2 cockerel; 1-2 pullet; 1 pen. Special for best male, female and pen, and cup for best display. Dark Brahmas, 1 cock and 1 hen.

Mr. Prescott is one of the leading Brahma breeders of the country and in his 1914 bargain list he is making some unusually interesting offers. All readers of this journal should send today for a copy. Kindly mention A. P. W.

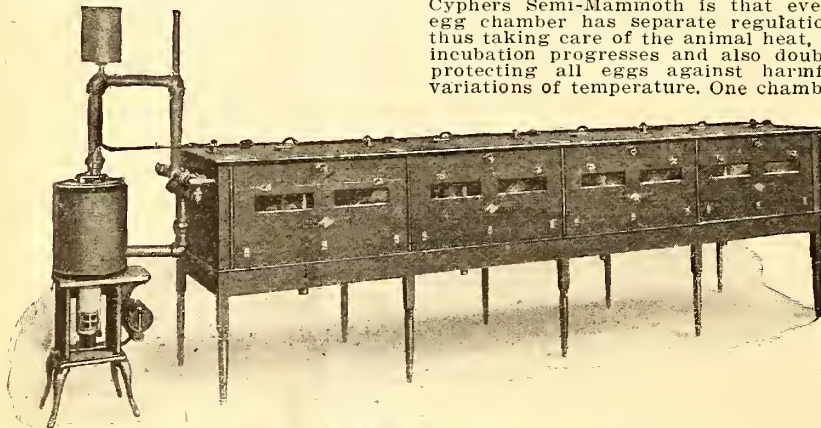
*** Twenty-five cents will secure for you a copy of "Reliable Poultry Remedies." Tells you symptoms of diseases and how to treat sick fowls ***

CYPHERS SEMI-MAMMOTH INCUBATORS NOW ON SALE

Cyphers Incubator Company, Buffalo, N. Y., with branch stores and warehouses in New York City, Boston, Chicago, Kansas City, Mo., and Oakland, Calif., has placed on the American and foreign markets what it calls the Cyphers Semi-Mammoth Incubator, doing so

Semi-Mammoth does not require a heater pit, nor call for the handling of coal or ashes. The machine stands free on the floor of any apartment and can be moved about or dismantled at will. Each egg-chamber has four egg trays, each tray holding 100 hen eggs, which size makes these trays easy for man or woman to handle.

A highly important feature of the Cyphers Semi-Mammoth is that every egg chamber has separate regulation, thus taking care of the animal heat, as incubation progresses and also doubly protecting all eggs against harmful variations of temperature. One chamber



CYPHERS SEMI-MAMMOTH INCUBATOR

Illustration (from photograph) showing Cyphers Company Semi-Mammoth Incubator. Is made in two popular sizes, 1,200 and 1,600 eggs. Heated by Blue-Flame Coal Oil Stove; no pit required. May be equipped for use of gas or coal heat if desired.

in response to an increasing number of requests for hatching machines of 1,200 to 3,000-egg capacity that embody the patented principles which have made the Cyphers Company lamp-heated incubators world famous. An illustration, made from photograph, is shown herewith of a Cyphers Semi-Mammoth that holds 1,600 eggs and is heated by a blue-flame oil stove. Larger sizes are heated by gas or hard coal.

As may be seen in the picture, this

or compartment at a time can be filled with eggs, then a week or so later another can be filled, each to be regulated separately as conditions may require during the first, second and third weeks of incubation.

See advertisement of this latest "wholesale hatcher" on page 867 of this issue and when writing to Cyphers Incubator Company for descriptive circular and price-list, please mention the AMERICAN POULTRY WORLD.

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Chapter II—Orpington Type
Chapter III—Black Orpingtons
Chapter IV—Buff Orpingtons
Chapter V—White Orpingtons
Chapter VI—Non-Standard Varieties.
Chapter VII—Orpingtons as Exhibition Fowl
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Buffalo, N. Y., U. S. A.

THE OHIO STATE FAIR

The Ohio State Fair held annually at Columbus was the attraction in the Buckeye State the opening week in September, and while no better class of exhibits are gathered at any similar event it did not attract the attendance this year that it is deserving of.

The poultry exhibit as usual brought out some of the leading exhibitors with their choicest specimens and as a whole was a very creditable exhibition. The awards were placed by the judges, Ira C. Kellar, Claude S. Coe, and H. A. Piekett, and it can be said that their work gave general satisfaction.

At a meeting of the Ohio State Branch held on Tuesday, the name of the State Organization was changed to Ohio Poultry Breeders' Association to conform to the new constitution adopted by the parent body at the Chicago convention.

One of the largest winnings was made by the Aldrich Poultry Farm, Columbus, Ohio, well known to A. P. W. readers as leading breeders of White Orpingtons, and their record at this event of four of the five prizes is in keeping with previous records made by this farm. They report a very successful season, having raised several hundred head of youngsters from their choice matings, the majority of which give promise of developing into birds of the better class. Many selections have already been made for customers who desire birds for the winter shows. In fact they report sales of individuals ranging in price from \$100 to \$250. They would like to hear from A. P. W. readers who are in need of either breeding or exhibition birds.

HIGHWORTH WHITE ORPINGTONS AND WHITE PLYMOUTH ROCKS

In a recent letter from Fred A. Andrewes, London, Canada, proprietor of Highworth Poultry Yards and breeder of White Orpingtons and White Plymouth Rocks, he states:

"I have a wonderful fine lot of chicks this year and am prepared to fill orders for high class breeding or exhibition stock promptly at reasonable prices. As you probably know, I have won my share of the prizes in the leading shows of the Dominion and the United States and have shipped birds to all parts of the world. White Plymouth Rocks from my yards built up one of the finest strains in England and I have also supplied stock birds to some of America's largest breeders."

A. P. W. readers will probably be interested in knowing that during the last two seasons Mr. Andrewes has won many prizes, including ten firsts at the following shows: Madison Square Garden, Detroit, London, Ont., Hamilton, Ont., and the Guelph, Ont., winter fair. He has had a very successful season and has a large number of matured cockerels and pullets in both White Orpingtons and White Rocks with which he believes he can satisfy the most critical purchaser. When writing, it will be greatly appreciated if A. P. W. is mentioned.

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MAMMOTH INCUBATOR AND BUFF WYANDOTTES

We recently received from T. E. Hewke, Middletown, N. Y., originator and breeder of the Golden Glow Strain of Buff Wyandottes, a very interesting letter and we believe all interests will be best served by publishing the same in full. The letter follows:

Middletown, N. Y., Aug. 29, 1914.
American Poultry World,
Buffalo, N. Y.

Gentlemen:—In all my 25 years' experiences with many different makes of incubating and brooding systems, no machines have given such satisfactory results as the "Candee". I hatch from eight pens of prize Buffs and my Mammoth Candee hatches for me just as successfully as the Mother hen—nature's way—and with much less trouble. The "Candee" brooding system successfully raises all my "Golden Glow" chicks. The great mistake is made by many breeders of crowding too many youngsters in each compartment and serious losses are bound to result. My idea is to see how nearly perfect the Buff Wyandottes can be produced, not how many, but how good. The Candee hatches large, strong chicks full of vigor and they keep on growing into sturdy youngsters, vitality keeping pace with their growth. I have only words of praise for the entire Candee system.

Yours very truly,

T. S. Hewke,
Breeder of Buff Wyandottes,
Middletown, N. Y.

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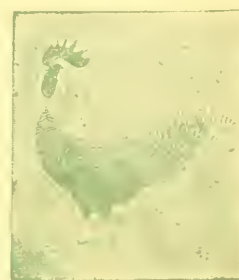
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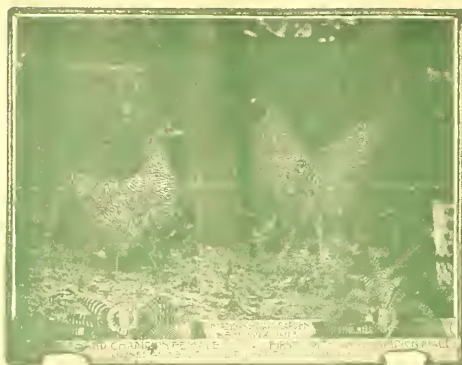
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